



VERBAND FÜR SCHIFFBAU UND MEERESTECHNIK E.V. - SCHIFFBAU- UND OFFSHORE-ZULIEFERINDUSTRIE - CENTER OF MARITIME TECHNOLOGIES - GESELLSCHAFT FÜR MARITIME TECHNIK E.V.

INFORMATIONSVERANSTALTUNG

Förderung der maritimen Forschung und
Entwicklung im 7. Rahmenprogramm der EG



31. Januar 2007, 10:00 Uhr
Hotel Hafen Hamburg
Seewartenstraße 9, 20459 Hamburg
Raum Ellipse II und III



VERBAND FÜR SCHIFFBAU UND MEERESTECHNIK E.V. - SCHIFFBAU- UND OFFSHORE-ZULIEFERINDUSTRIE - CENTER OF MARITIME TECHNOLOGIES - GESELLSCHAFT FÜR MARITIME TECHNIK E.V.

Programm der Informationsveranstaltung

„Förderung der maritimen Forschung und Entwicklung im 7. Rahmenprogramm der EG“

Termin: 31. Januar 2007

Veranstalter: CMT e.V. / VSM e.V. / VDMA e.V. / GMT e.V.
mit freundlicher Unterstützung der IMAWIS GmbH

I. Maritime FuE im 7. Rahmenprogramm der EG

Zeit: 10:00 – 12:00 Uhr

Ort: Hotel Hafen Hamburg, Seewartenstraße 9, 20459 Hamburg
Raum Ellipse II und III

09:30 Uhr Registrierung

10:00 Uhr **Begrüßung und Einführung**
Alexander Nürnberg, VDMA Schiffbau- und Offshorezulieferindustrie
Ralf Sören Marquardt, Verband für Schiffbau und Meerestechnik (VSM)

10:20 Uhr **Schwerpunkte der Förderpolitik im 7. Rahmenprogramm der EG**
Michael Kyriakopoulos, Europäische Kommission, GD Transport

10:40 Uhr **Arbeitsprogramm - Transport**
David Doerr, TÜV-Akademie Rheinland (Projektträger MVBW)

11:00 Uhr **Förderinstrumente im 7. Rahmenprogramm**
Axel Wegner, TuTech Innovation

11:20 Uhr **Beratung und Förderung der europäischen Zusammenarbeit – NKS sowie ERA-NET MARTEC**
Ralf Fiedler, Forschungszentrum Jülich (PTJ), Nationale Kontaktstelle (NKS)
„Schifffahrt und Meerestechnik“

11:40 Uhr **Fragen und Diskussion sowie Information zu den Workshops**
Alexander Nürnberg, VDMA

12:00 Uhr *Mittagspause*

II. Workshop - FuE-Förderung im Schiffbau

Zeit: 14:00 – 16:00 Uhr

Ort: Verband für Schiffbau und Meerestechnik, Slomanhaus,
Steinhöft 11, 20459 Hamburg, Konferenzraum

14:00 Uhr **Begrüßung und Einführung**
Alexander Nürnberg, VDMA

14:10 Uhr **Arbeitsprogramm – Schiffbau und Schifffahrt**
Frank Roland, Center of Maritime Technologies (CMT)

15:00 Uhr **Fragen und Diskussion**
Michael Kyriakopoulos und Frank Roland

15:50 Uhr **Zusammenfassung**
Ralf Sören Marquardt, VSM

III. Workshop - FuE-Förderung in der Meerestechnik

Zeit: 14:00 – 16:00 Uhr

Ort: Germanischer Lloyd, Vorsetzen 35, 20459 Hamburg, Konferenzraum

14:00 Uhr **Begrüßung und Einführung**
Petra Mahnke, Gesellschaft für Maritime Technik (GMT)

14:10 Uhr **Maritime Themen – Meerestechnik im 7. Rahmenprogramm der EU**
Johannes Post, Gesellschaft für Maritime Technik (GMT)

14.45 Uhr **Gesprächskreis Umwelt des BMBF zum 7. Rahmenprogramm der EU**
Klaus Pfeiffer, HYDROMOD

15:00 Uhr **Fragen und Diskussion**

15:45 Uhr **Zusammenfassung / Unterstützungsangebote**
Johannes Post, GMT

Teilnehmerliste (Stand: 29.1.2007)

Informationsveranstaltung zum 7. Rahmenprogramm am 31. Januar 2007

lfd. Nr.	Firma	Teilnehmer	Workshop		Plenum
			VSM	GL	HHH
			#	#	#
1	4H-Jena engineering GmbH	Dr. Tobias Böhme		1	1
2	Abeking & Rasmussen GmbH & Co. KG	Nils Olschner	1		1
3	Atlantec Enterprise Solutions	Dr. Thomas Koch	1		1
4	ATLAS Elektronik GmbH	Dr. Hans-Peter Leppin		1	1
5	BALance Technology Consulting	Joachim Brodda	1		1
6		Dr. Reinhard Ahlers		1	1
7	BELUGA Shipping GmbH	Anja Koutsoutos	1		1
8	BIOLAB Forschungsinstitut	Dr. Gerd Schriever		1	1
9	BIOKON e.V.	Dr. Rudolf Bannasch		1	1
10	Blohm + Voss GmbH	Dr. Patrick Kaeding	1		1
11		Markus Hülsmann (Berlin)	1		1
12		Dr. Lutz Palm	1		1
13		Christian Popall	1		1
14	Büro für Umwelt und Küste	Kai Ahrendt		1	1
15	Cassens Werft	Johannes Sänger	1		1
16	CMT e.V.	Dr. Frank Roland	1		1
17		Christina Hefter	1		1
18		Michael Hübler	1		1
19		Thomas Schlüter	1		1
20		Erwan Juin	1		1
21		Matthias Krause	1		1
22	Dabelstein & Passehl	Dr. Stefan Schrandt-Zimmer	1		1
23	d-i davit international	Ulrich Stabenow	1		1
24	DMKN Deutsches Maritimes Kompetenz Netz GmbH	Dr. Dieter Weigel		1	1
25	Dr. Möller GmbH IMS	Dr. Jürgen Möller	1		1
26	EU-Kommission	Michael Kyriakopoulos	1		1
27	Flensburger Schiffbau-Gesellschaft mbH & Co. KG	Thomas Gosch	1		1
28	Forschungszentrum Jülich	Dr. Ralf Fiedler	1		1
29	Fraunhofer Anwendungszentrum Rostock	Dr. Christian Lärütz	1		1
30	GMT e.V.	Petra Mahnke		1	1
31		Johannes Post		1	1
32	Hamburgische Schiffbau-Versuchsanstalt GmbH	Dr. Jochen Marzi	1		1
33		Dr. Walter Kühnlein		1	1
34	HAW Hamburg	Prof. Holger Watter		1	1
35		Martina Schulz		1	1
36	HDW-HAGENUK Schiffstechnik GmbH	Axel Rothe	1		1
37	HYDROBIOS	Uwe Fischer		1	1
38	HYDROMOD GbR	Klaus D. Pfeiffer		1	1
39	IAMARIS	Dr. Helmut Z. Baumert		1	1
40	IMAWIS GmbH	Dr. Detlef Lemke	1		1
41		Sven Berger	1		1
42	IMPac Offshore Engineering GmbH	Jürgen Kaiser		1	1
43	IMS Ingenieurgesellschaft mbH	Dr. Alexander Mitzlaff		1	1
44		Dr. Helmut Salzmann		1	1
45	Ingenieurtechnik und Maschinenbau Rostock	Prof. Peter Seyffarth	1		1

lfd. Nr.	Firma	Teilnehmer	VSM	GMT	Plenum
46	ISSUS	Sandra Kassner	1		1
47		Christoph Paulet		1	1
48		Dirk Wittkuhn		1	1
49	IWT-Stiftung	Dr. Jörn Kohlscheen	1		1
50	J.J. Sietas KG	Thomas Dietz	1		1
51	JSC	Dr. Joachim Schwarz		1	1
52	LINDENAU GmbH	Ingo Tautz	1		1
53	Lloyd Werft Bremerhaven GmbH	Rüdiger Pallentin	1		1
54	Lürssen Bardenfleth GmbH & Co. KG	Bernhard Urban	1		1
55	MC Marketing Consulting	Dr. Hans-Jürgen Bartels		1	1
56		Dr. Michael Jarowinsky		1	1
57	MECON GmbH	Dieter Koenig		1	1
58	MENCK GmbH	Dr. Martin Ros		1	1
59	Merkel Freudenberg fluidtechnic GmbH	Jens Kuhnert		1	1
60	MTG Marinetechnik GmbH	Eberhard Stahlschmidt	1		1
61	Muehlhan AG	Dr. Andreas Momber	1		1
62	MWB Motorenwerke Bremerhaven AG	Jürgen Gloystein			1
63	Norddeutsche Seekabelwerke GmbH & CoKG	Dirk Brauckmann		1	1
64	Peene-Werft GmbH Wolgast	Ralf Reinhardt	1		1
65	Phoenix Reederei Bereederungs GmbH & Co.KG	Kpt. Manfred Katholnig		1	1
66		Kpt. Carola Pollack		1	1
67	Renk AG Werk Rheine	Jan Schäfer	1		1
68		Uwe Krause	1		1
69	RF Forschungsschiffahrt GmbH	Roland Berger		1	1
70	SAM Electronics GmbH	Maik Stövhase			1
71		Prof. Wilfried Hensel			1
72	Schiffbau-Versuchsanstalt Potsdam	Dr. Stefan Helmo	1		1
73	SCHIFFKO GmbH	Berend Pruin		1	1
74	Schiffswerft Diedrich GmbH & Co. KG	Jens Schädler	1		1
75	Sea & Sun Technology	Dr. Heinz Schelwat		1	1
76	Siemens Aktiengesellschaft	Rainer Hartig	1		1
77	TU Clausthal - Institut für Erdöl- und Erdgastechnik	Dr. Detlev Dornbusch		1	1
78		Alian B. Tchokouaha		1	1
79	TU Hamburg-Harburg	Prof. Horst Rulfs	1		1
80		Prof. Wolfgang Fricke			1
81		Dr. Horst Höft	1		
82		Prof. Norbert Hoffmann		1	1
83	Turbo-Technik Reparatur-Werft GmbH & Co.	Dietmar Janssen	1		1
84	TuTech Innovation	Axel Wegner	1		1
85	TÜV-Akademie Rheinland	David Doerr	1		1
86	Uni Rostock - Schiffbau	Dr. Dimitrios Nikolakis	1		1
87	Universität Bremen - Fachbereich Informatik - Forschungsgruppe Robotik	Jan Albiez		1	1
88	Universität Hannover - Institut für Werkstoffkunde	Christian Walter		1	1
89	VDMA / CMT / HATLAPA	Dr. Alexander Nürnberg	1		1
90	VDMA	Dr. Jörg Mutschler			1
91		Hauke Schlegel	1		1
92	VSM	Ulf Bischoff		1	1
93		Dr. Ralf Sören Marquardt	1		1

Förderung der maritimen Forschung und Entwicklung im 7. Rahmenprogramm der EG

Gemeinsame Informationsveranstaltung von CMT, GMT, VDMA und VSM

Dr. Alexander Nürnberg

Vorsitzender des CMT, Hamburg



Gemeinsamer Informationsteil



Maritime FuE im 7. Rahmenprogramm der EG

10:00 – 12:00 Uhr, Hotel Hafen Hamburg, Raum Ellipse II / III

■ Einführung

Ralf Sören Marquardt, Verband für Schiffbau und Meerestechnik

■ Schwerpunkte der Förderpolitik im 7. Rahmenprogramm der EU

Michael Kyriakopoulos, Europäische Kommission, GD Transport

■ Einführung in das Arbeitsprogramm Transport

David Doerr, TÜV-Akademie Rheinland (Projektträger MVBW)

■ Förderinstrumente im 7. Rahmenprogramm

Axel Wegner, TuTech Innovation

■ Beratung und Förderung der europäischen Zusammenarbeit durch Nationale Kontaktstelle sowie in ERA-NET MARTEC

Ralf Fiedler, Projektträger Jülich, NKS „Schifffahrt und Meerestechnik“

■ Diskussion und Information zu den Workshops

Alexander Nürnberg, VDMA Offshore- und Schiffbauzulieferindustrie

Workshop Meerestechnik



Gliederung des Meerestechnik-Workshops

14:00 – 16:00 Uhr Germanischer Lloyd, Medienraum

- Kurzer Überblick über das 7. Rahmenprogramm
- Das Schwerpunktprogramm „Kooperationen“ mit den Themen:
 - Umwelt und Klimawechsel,
 - Energie,
 - Nahrung, Landwirtschaft, Fischerei und Biotechnologie
- Weitere Schwerpunktprogramme:
 - Ideen
 - Leute/Menschen
 - Kapazitäten
 - Infrastrukturen
 - KMUs
 - Das Forschungspotential in Konvergenzregionen
- Zusammenfassung

Workshop Schiffbau



Gliederung des Schiffbau-Workshops

14:00 – 16:00 Uhr VSM, Sitzungsraum

- Begrüßung und Einführung
- Vertiefung zu Schiffbau und Schifffahrt in FP7
 - TP „TRANSPORT“ – Themen, Instrumente, Ideen, Kontakte
 - weitere maritime Einstiegspunkte (außerhalb „Transport“)
 - Hinweise für eine erfolgreiche Antragstellung und Teilnahme
 - Hilfsangebote und Kontaktstellen
- Fragen und Diskussion
*an Michael Kyriakopoulos – KOM, GD Forschung
und Dr. Frank Roland - CMT*
- Zusammenfassung

Mittagessen



Lageplan und Restaurant-Empfehlungen:

The map shows the harbor area of Hamburg, including the Landungsbrücken, the Binnenalster, and the Baumwall. A red circle highlights the 'YOU ARE HERE' location at Hotel Hafen Hamburg. Red lines connect various restaurant recommendations to their locations on the map. The recommendations include Restaurant Meson Galicia, Restaurant O Farol, Restaurant Fischmarkt, Restaurant Marley's, Restaurant Fischküche, and Bistro Soup City. Other landmarks like the Germanischer Lloyd and VSM are also marked.

YOU ARE HERE
Hotel Hafen Hamburg mit Restaurant Port Seewartenstraße 9 €€

Restaurant Meson Galicia Ditmar-Koel-Str. 18 €

Restaurant O Farol Ditmar-Koel-Str. 12 €

Restaurant Fischmarkt Ditmar-Koel-Str. 1 €€

Restaurant Marley's im Hotel Madison Schaarsteinweg 4 €€

Restaurant Fischküche Kaien 18 €€€

Bistro Soup City Steinhöft 9

Restaurant D. José Ditmar-Koel-Str. 11 €

Restaurant Sagres Vorsetzen 42 €

Germanischer Lloyd Vorsetzen 35
Meerestechnik-Workshop

VSM mit Restaurant Westminster Steinhöft 11 €€
Schiffbau-Workshop

Vielen Dank
für Ihre Aufmerksamkeit



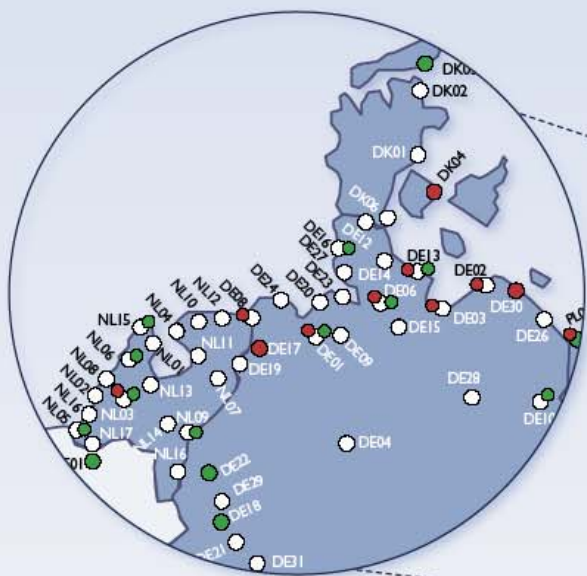
Schiffbau und Meerestechnik in Deutschland – erfolgreich im globalen Wettbewerb

*Zukunftssicherung durch Investition
in Innovation und Ausbildung*

Dr. Ralf Sören Marquardt

Geschäftsführer des VSM, Hamburg

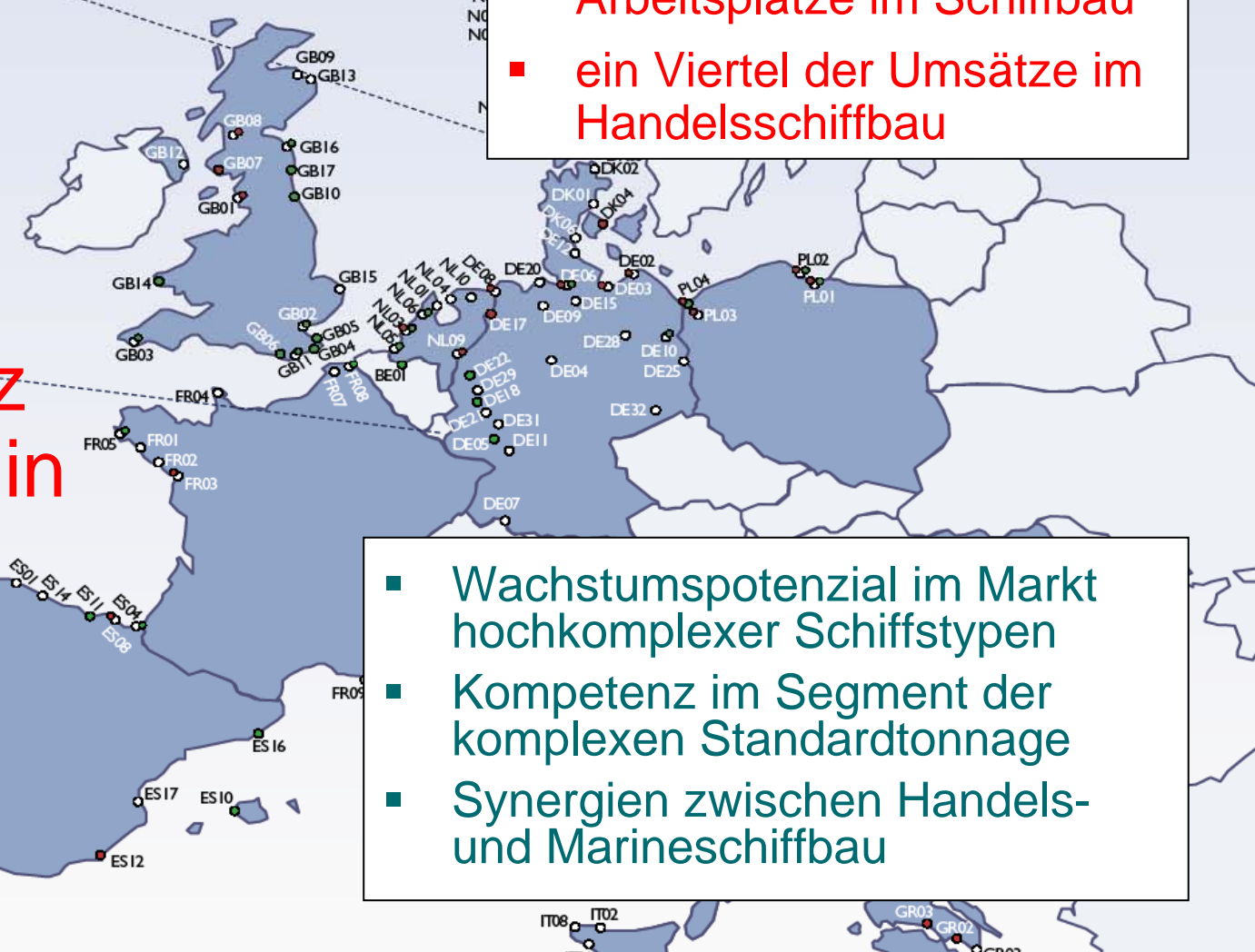




Das maritime Herz Europas schlägt in Deutschland

Auf Deutschland entfallen:

- ein Sechstel aller Arbeitsplätze im Schiffbau
- ein Viertel der Umsätze im Handelsschiffbau



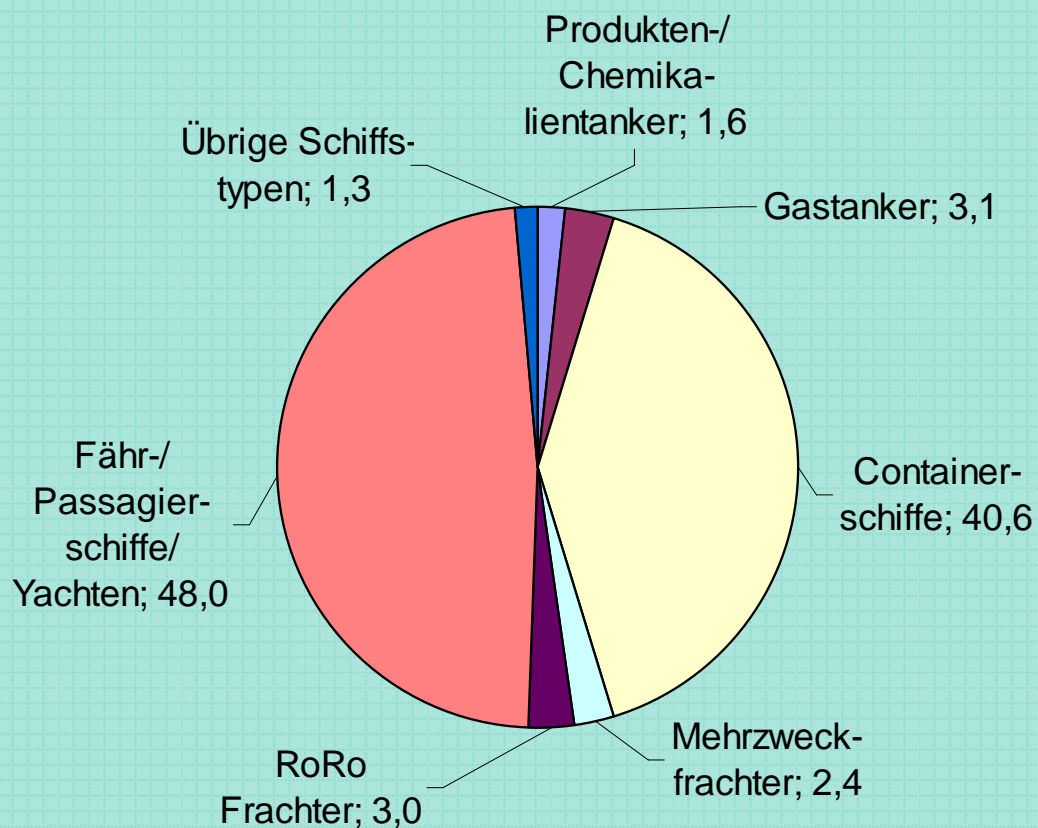
- Wachstumspotenzial im Markt hochkomplexer Schiffstypen
- Kompetenz im Segment der komplexen Standardtonnage
- Synergien zwischen Handels- und Marineschiffbau

- Large shipyards (with ~1000 employees and more)
- Shipyards undertaking exclusively repair and conversion
- Other shipyards (small and medium sized; newbuilding & repair & conversion)

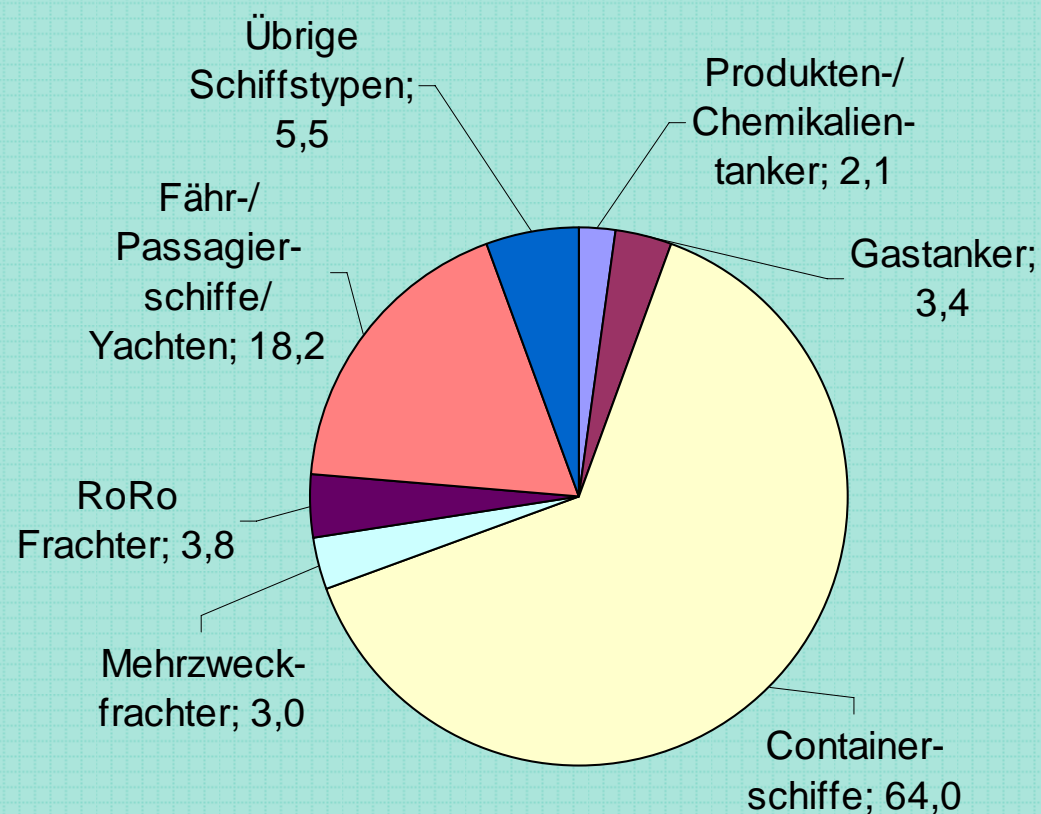
2 Standbeine - Fahrgastschiffe/Yachten und Containerschiffe

Auftragsbestand (9/06): **236 Schiffe im Wert von 12,9 Mrd. €**

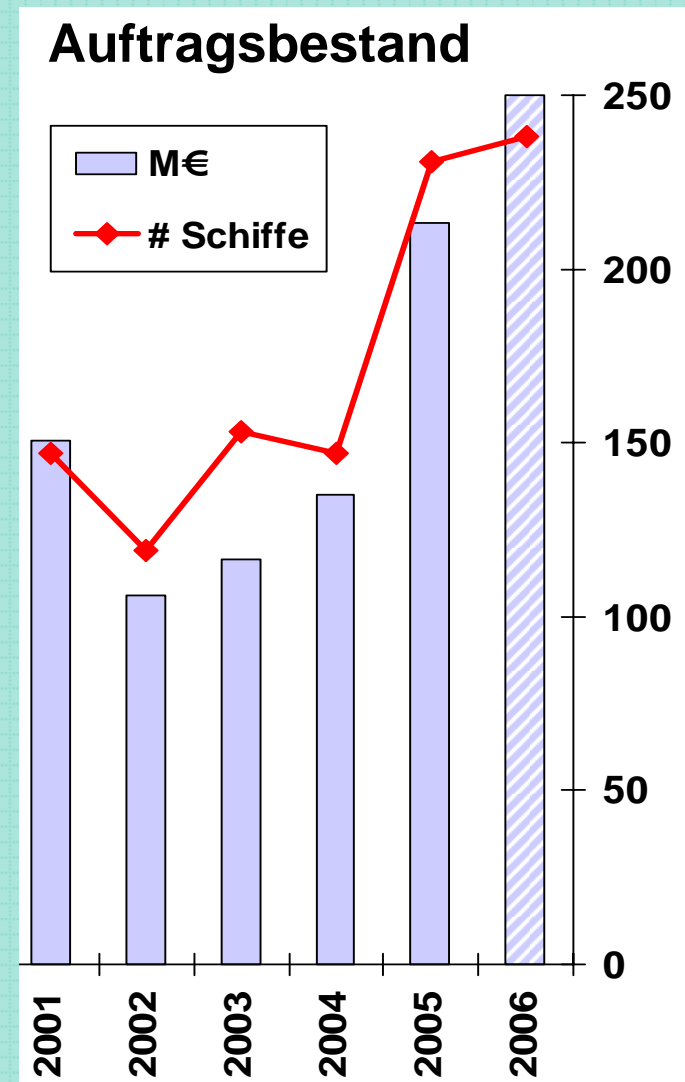
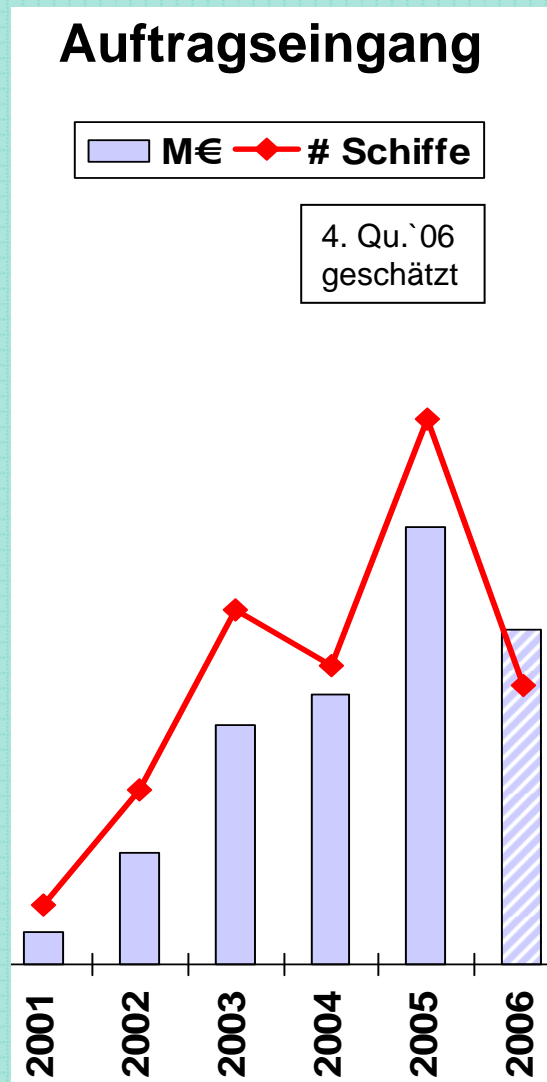
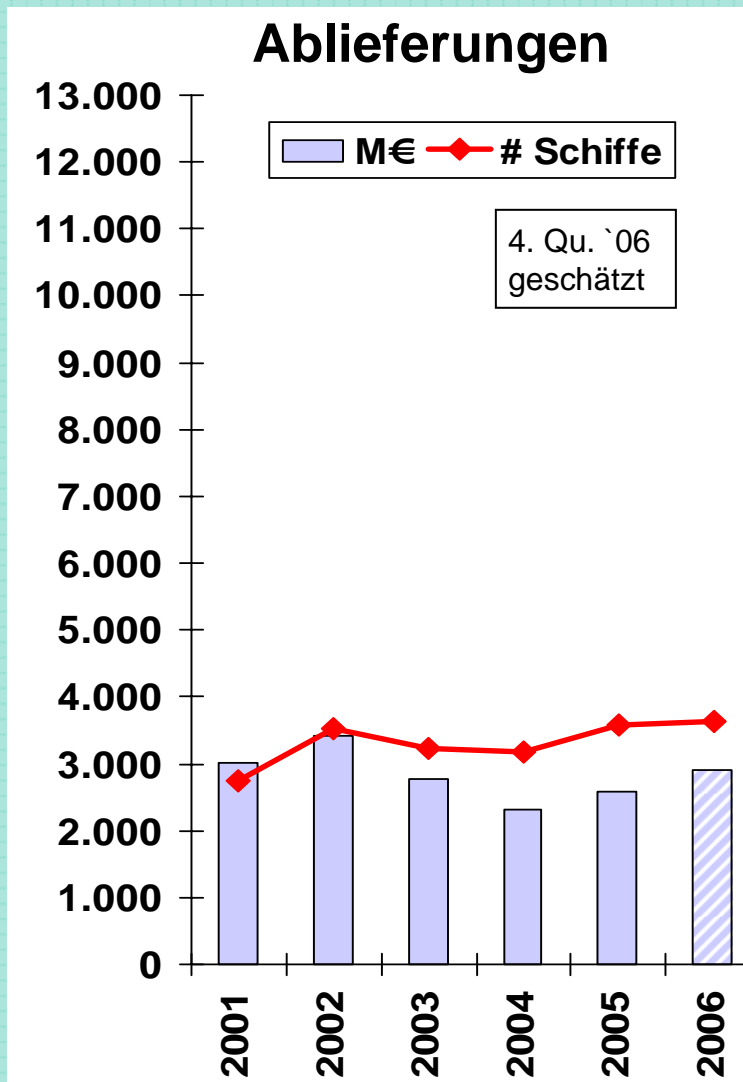
Wert in %



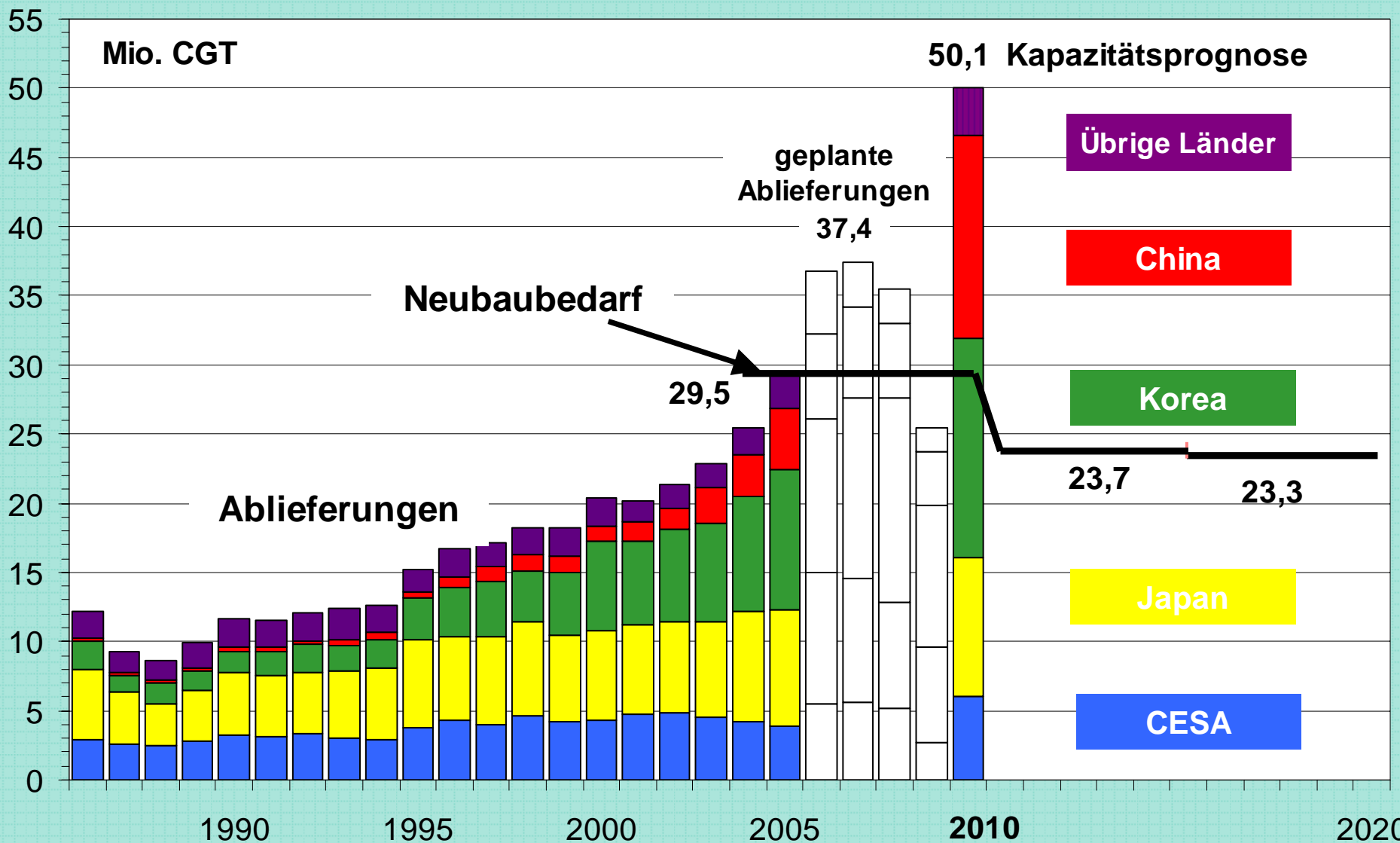
Anzahl der Schiffe in %



Positive Entwicklungen im **deutschen Seeschiffbau**



Drohende Überkapazitäten von über 100%



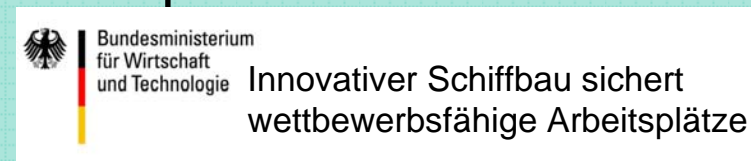
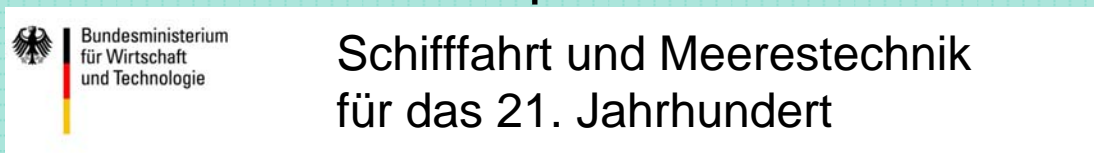
Maritime Förderprogramme für Forschung, Entwicklung und Innovation:



EU



D



MVP



Forschung

Entwicklung

Innovation

Deutsche Fortschritte in den Rahmenprogrammen

Land- und Seeverkehr	Fördermittel [Mio. €]	Maritimer Anteil	Deutscher Anteil
5. RP	275	~ 40 %	~ 10 %
6. RP	479	~ 36 %	~ 20 %
7. RP	~ 1300	mind. 1/3	~ 25 % ?

EU legislation on R&D applicable **until 31 December 2003**:

Research (R) & Development (D)

(Horizontal) Community framework for State aid for research and development (96/C 45/06):

Base aid intensities:

Fundamental research	100 %
Feasibility studies (FS)	75 %
Industrial research	50 %
Precomp. development	25 %

Bonuses (max. + 25 %, excl. FS):

SME	+ 10 %
Art. 92 region	+ 10 % / 5 %
FP contribution	+ 15 % / 25 %
Co-op / Dissim.	+ 10 %

Innovation (I)

No instruments for innovation available, in particular for the development of commercially used prototypes

Shipbuilding

Other sectors

EU legislation on RDI applicable **until 31 December 2006**:

Research (R) & Development (D)

(Horizontal) Community framework for State aid for research and development (96/C 45/06):

Base aid intensities:

Fundamental research	100 %
Feasibility studies (FS)	75 %
Industrial research	50 %
Precomp. development	25 %

Bonuses (max. + 25 %, excl. FS):

SME	+ 10 %
Art. 92 region	+ 10 % / 5 %
FP contribution	+ 15 % / 25 %
Co-op / Dissim.	+ 10 %

Innovation (I)

(Sector specific) Framework on State aid to shipbuilding (2003/C 317/06):

Aid intensity (to shipyards only):

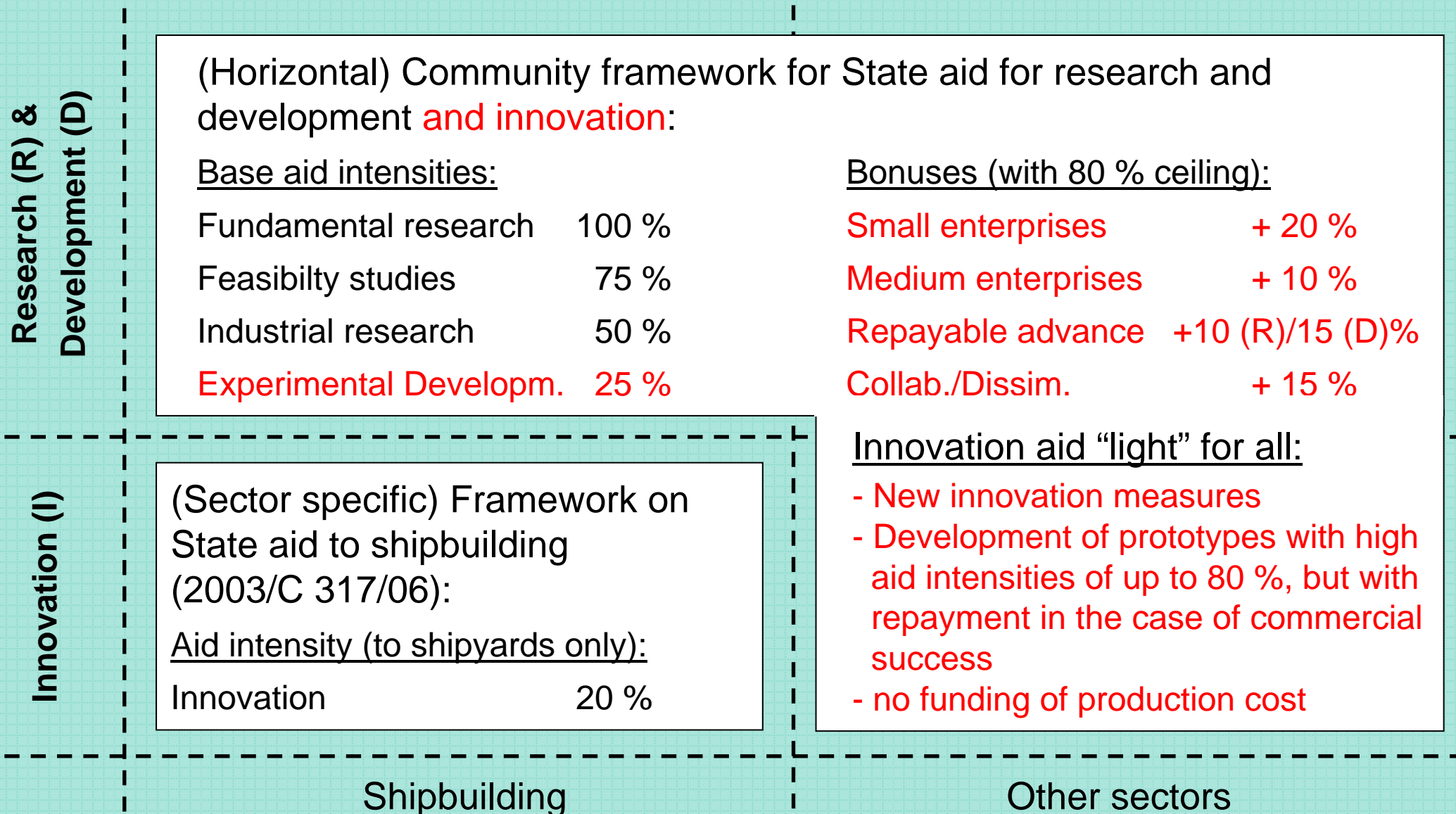
Innovation	20 %
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No direct access to innovation aid for all maritime stakeholders except shipyards

Shipbuilding

Other sectors

New EU legislation on RDI applicable from 1 January 2007:



Zusammenfassung und Ausblick

<p>Stärken</p> <ul style="list-style-type: none"> ■ Innovationsfreudigkeit (<i>Visions, SRA, HTS</i>) ■ Höhere gesellschaftliche Anforderungen (<i>Schiffssicherheit und Meeresumweltschutz</i>) 	<p>Schwächen</p> <ul style="list-style-type: none"> ■ Begrenzte Personalkapazität für FEI und Fachkräftemangel ■ Knappe industrielle FEI-Budgets ■ Schwierigkeiten beim Schutz geistigen Eigentums
<p>Chancen</p> <ul style="list-style-type: none"> ■ Steigende FuE-Budgets (<i>RP7, nationale FuE-Förderprogramme</i>) ■ Innovationsförderung (<i>sektoriell und horizontal</i>) 	<p>Herausforderungen</p> <ul style="list-style-type: none"> ■ wenig Innovationsfreundliche techn. Vorschriftenentwicklung (<i>IMO, EU</i>) ■ Innovationsgeschwindigkeit (<i>administrativer Aufwand hoch</i>)

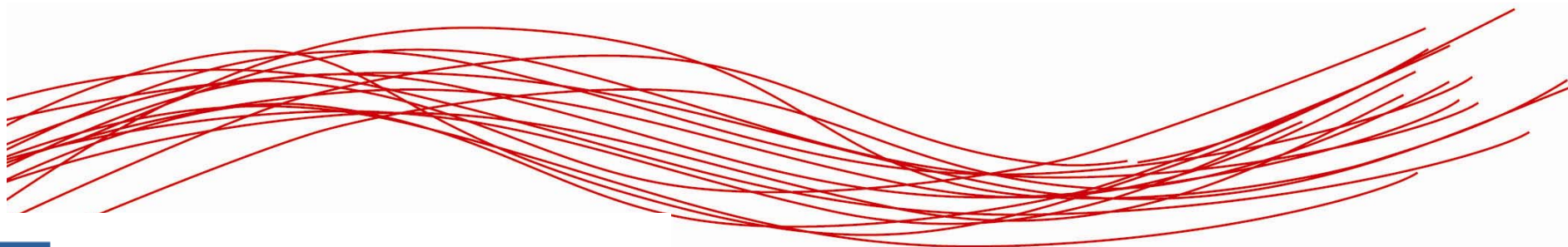


EUROPEAN
COMMISSION

Community research

FP7

Transport (including Aeronautics) Sustainable surface transport (SST) 2007 Calls for proposals



EU



TRANSPORT RESEARCH





EUROPEAN
COMMISSION

Community research

Content of the presentation

- FP7 brief introduction
- The SST work programme for 2007
- Calls technical content



EUROPEAN
COMMISSION

Community research

FP7 brief introduction

- FP7
- Specific Programmes
- Cooperation
- Terminology



- **EU main instrument to implement research in Europe**
- **Will run from 2007 to 2013**
- **FP7 EC budget: € 50.5 billion**
 - ➔ 41% increase from FP6 at 2004 prices
 - ➔ 63% increase at current prices
- **FP7 was designed to:**
 - ➔ Respond to Europe's employment needs and competitiveness
 - ➔ Keep EU as a world leader in the selected priority areas



Specific Programmes

***Cooperation* – Collaborative research**

***Ideas* – Frontier Research**

***People* – Human Potential**

***Capacities* – Research Capacity**



JRC (non-nuclear)

JRC (nuclear)

Euratom



***Cooperation* – Collaborative research**

10 themes

1. Health
2. Food, Agriculture and Biotechnology
3. Information and Communication Technologies
4. Nanosciences, Nanotechnologies, Materials and new Production Technologies
5. Energy
6. Environment (including Climate Change)
7. **Transport (including Aeronautics) (€ 4,18 billion)**
8. Socio-Economic Sciences and the Humanities
9. Security
10. Space



Why Surface Transport

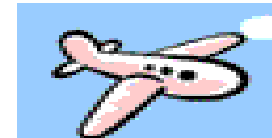
- **Transport is one of Europe's strengths**
 - Surface transport: 11% EU GDP, 16 million jobs
- **Transport faces tough challenges**
 - Environment: transport is 25% of EU CO2 emissions
 - Enlargement: increase of 25% of land surface and 20% population
 - Economic development: efficient, cost-effective and sustainable transport of people and goods
 - Transport industries: ensure technological competitive advantages
- **Transport is important to key EU policies**
 - Trade, competition, employment, cohesion, energy, security, maritime, internal market



Sub-theme: Surface Transport

- A new priority grouping:

- Aeronautics and air transport



- Surface transport

- ◆ Rail



- ◆ Route



- ◆ Waterborne



- Galileo





Overall Objectives

- Develop “safer”, “greener” and “smarter” transport systems for:
 - ➔ respecting environment and natural resources
 - ➔ the benefit of citizens and society
- Secure and develop the competitiveness of European industry in the global market





Terminology

- **Themes:** 10 areas within the Collaboration Specific Program
 - Transport (including aeronautics)
- **Sub-themes**
 - Aeronautics and air transport
 - Sustainable surface transport (SST)
 - GALILEO
- **Activities**
 - 5 activities in line with the strategic objectives of SP ensure impact and facilitate visibility and understanding
 - 1 cross cutting activity in support of SST addressing global cross-cutting issues
- **Topics:** the level of a proposal



EUROPEAN
COMMISSION

Community research

The SST work programme for 2007

- Approach
- Scope
- Structure and funding schemes
- Horizontal Issues
- Synergies with other Themes
- Programme implementation for 2007



EUROPEAN
COMMISSION

Community research

Approach Integration

- Interaction of vehicles, vessels, networks or infrastructures and the use of transport services
- Integration of new concepts, knowledge and technologies within a socio-economic and policy context



Approach holistic

● Broad, comprehensive spectrum of Activities

- Socio-economic research for SST & interactions w/other policies
- Basic and applied research
- Innovative solutions
- Large scale and multi-disciplinary research and demonstration
- Structuring research in Europe
- Supporting programme implementation and support to new EU policies linked to transport



● Activities Defined, notably, on the basis of Strategic Research Agendas (SRAs) developed by Technology Platforms

- ERRAC for rail Transport (since 2001)
- ERTRAC for Road Transport (since 2002)
- WATERBORNE for Waterborne Transport (since 2005) and
- The Transport Advisory Groups
- The Transport Programme Committee of MS



Scope

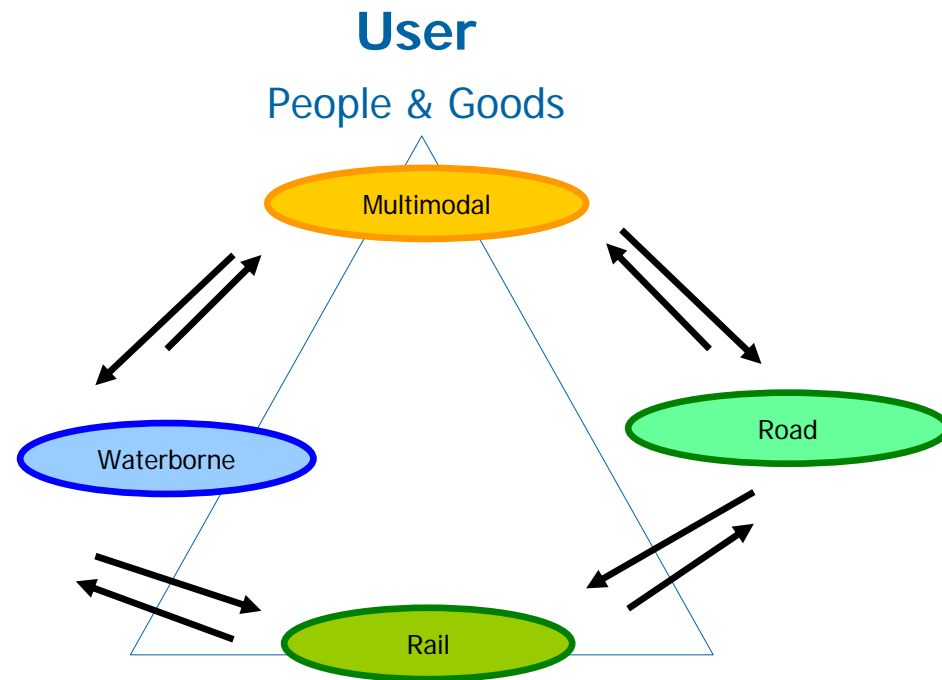
Set of activities

- The **greening** of surface transport
- Encouraging **modal shift** and **decongesting** transport corridors
- Ensuring sustainable **urban transport**
- Improving **safety and security**
- Strengthening **competitiveness**

- ***Cross-cutting activities***



SST System



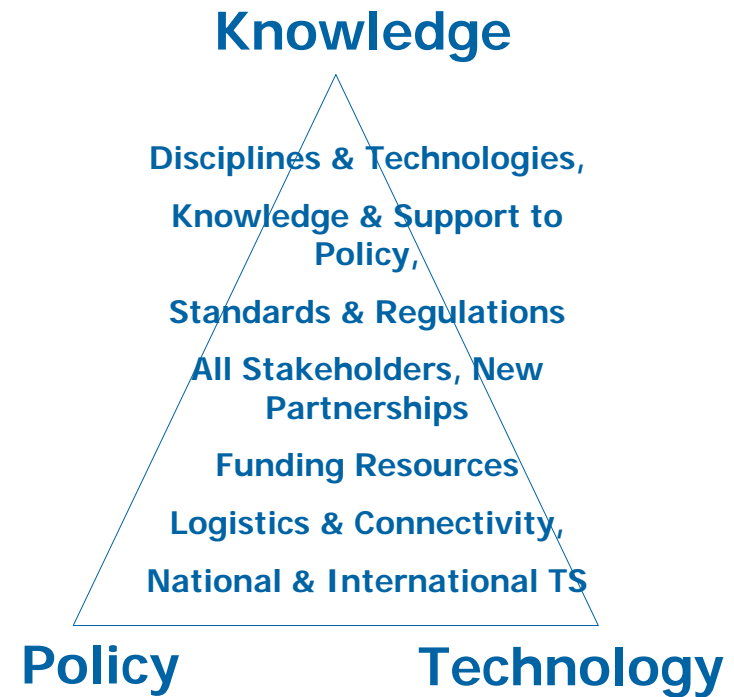
Vehicle/Vessel

Interactions,
Interfaces, Networks
and Services

Infrastructure

(Physical & Telematics)

Integration





Structure

Theme 7 TRANSPORT - Sub-theme 7.2. SST – SUSTAINABLE SURFACE TRANSPORT

Activity: 7.2.x (ex.: GREENING)

Area: 7.2.x.x (ex.: Products and Operations)

- *Expected impact*

Topic: SST2007.x.x.x.x (ex.: promoting bio-fuels)

Level 1 – Generic (technology foundation, broad, all modes)

Level 2 – Specific (addressing identified needs, specific, sector driven)



Structure

- TOPICS describe the work content to address by proposals

→ Level 1 (generic):

- ◆ *Define broad fields of activity*
- ◆ *Normally common to all modes*
- ◆ *Encourage synergies between modes*
- ◆ *Implemented with some degree of flexibility*

→ Level 2 (specific)

- ◆ *Mission oriented*
- ◆ *Explicit in their formulation*
- ◆ *Mostly specific to one mode*
- ◆ *Must be entirely covered*



FP7 funding schemes

- **Collaborative Projects:**
 - Large scale integrating projects (CP-IP)
 - Small or medium-scale focussed research project (CP-FP)
- **Coordination and Support Action:**
 - Coordination (or networking) actions (CSA-CA)
 - Support actions (CSA-SA)
- **Networks of Excellence** (no topic will be proposed in 2007)



Workprogramme 2007

Greening

Chapter	Activity	Area	TOPIC	Funding Scheme	Transport Mode	Leading DG
7.2.1	GREENING OF SURFACE TRANSPORT					
7.2.1.1	<i>Greening of Products & Operations</i>					
SST.2007.1.1.1.	level 1		Promoting the use of bio-fuels and alternative hydrocarbon fuels	CP-FP	CSA-CA	all DG RTD
SST.2007.1.1.2.	level 1		Vehicle/vessel and infrastructure technologies for optimal use energy	CP-FP	CSA-CA	all DG RTD
SST.2007.1.1.3.	level 2		Integrating natural gas power trains	CP-IP		road DG RTD
SST.2007.1.1.4.	level 2		Electric ship technology	CP-IP		waterb DG RTD
SST.2007.1.1.5.	level 2		Clean and energy efficiency maritime diesel powertrains	CP-IP		waterb DG RTD
7.2.1.2	<i>Environmental Friendly Industrial processes</i>					
SST.2007.1.2.1.	level 1		Greening transport-specific industrial processes	CP-FP	CSA-CA	all DG RTD
SST.2007.1.2.2.	level 1		End of life strategies for vehicle/vessels and infrastructure	CP-FP	CSA-CA	all DG RTD
SST.2007.1.2.3.	level 2		ECO-SHIP	CP-IP		waterb DG RTD
7.2.1.3	<i>Socio-economic issues</i>					



Workprogramme 2007

Co-modality and Decongestion

Chapter	Activity	Area	TOPIC	Funding Scheme	Transport Mode	Leading DG
7.2.2	ENCOURAGING MODAL SHIFT AND DECONGESTING TRANSPORT CORRIDORS					
7.2.2.1	Logistics and Intermodal Transport					
SST.2007.2.1.1.	level 1		Vehicle/Vessel and infrastructure Concepts for intermodal freight transport	CP-FP	CSA-CA	all DG RTD
SST.2007.2.1.2.	level 2		Benchmarking logistics	CP-IP,FP	CSA-CA	all DG TREN
SST.2007.2.1.3.	level 2		Smart supply chain management in intermodal door-to-door container transport	CP-IP		all DG RTD
SST.2007.2.1.4.	level 2		Preparatory action on Innovative Transport Networks		CSA-SA	all DG TREN
SST.2007.2.1.5	level 2		Future long distance freight road transport	CP-IP		road DG RTD
7.2.2.2	Maritime and inland waterways transport					
SST.2007.2.2.1.	level 2		Promotion of inland waterway transport		CSA-CA	water DG TREN
SST.2007.2.2.2.	level 2		advanced RIS-based transport management solutions for the IWT sector	CP		water DG TREN
SST.2007.2.2.3.	level 2		Promotion of short sea shipping and intermodality	CP-IP,FP	CSA-CA	water DG TREN
SST.2007.2.2.4	level 2		Maritime Logistics co-ordination platform	CP-IP, FP	CSA-CA	water DG TREN
7.2.2.3	Enhance of the knowledge base of the rail sector			none		rail DG TREN
7.2.2.4	Quality of Rail Services			none		rail DG TREN
7.2.2.5	Interoperability and safety					
SST.2007.2.5.1.	level 1		Interoperable rolling stock	CP-FP	CSA-CA	rail DG RTD
SST.2007.2.5.2.	level2		Delivering ERTMS-compliant interlocking systems	CP-IP		rail DGRTD
7.2.2.6	Traffic and information management					
7.2.2.7	Policy Support					



Workprogramme 2007

Urban Mobility

Chapter	Activity	Area	TOPIC	Funding Scheme	Transport Mode	Leading DG
7.2.3	ENSURING SUSTAINABLE URBAN MOBILITY					
7.2.3.1	New transport and mobility concepts					
SST.2007.3.1.1.	level 1	New mobility concepts for passengers ensuring accessibility for all			CSA-CA	all DG RTD
SST.2007.3.1.2.	level 1	Intelligent mobility systems and multi-modal interfaces for transport of passengers			CSA-CA	all DG RTD
7.2.3.2	High quality public transport					
SST.2007.3.2.1.	level 2	European Bus Systems of the Future		CP-IP		road DG RTD
7.2.3.3	Demand management					
7.2.3.4	Innovative strategies for clean urban transport (To be also covered by Energy Work Programme, COOP-5-8-5)					
SST.2007.3.4.1.	level 2	Testing innovative strategies for clean urban transport (see also topic COOP-5-8-5-1 from Energy Work Programme)		CP-IP		all DG TREN
SST.2007.3.4.2.	level 2	Support action for evaluation and monitoring (see also topic COOP-5-8-5-2 from Energy Work Programme)			CSA-SA	all DG TREN
SST.2007.3.4.3.	level 2	Support action for coordination and dissemination (see also topic COOP-5-8-5-3 from Energy Work Programme)			CSA-SA	all DG TREN
7.2.3.5	Policy Support					



Workprogramme 2007 Safety and Security

Chapter	Activity	Area	TOPIC	Funding Scheme	Transport Mode	Leading DG
7.2.4	IMPROVING SAFETY AND SECURITY					
7.2.4.1	Integrated Safety and Security for surface transport systems					
SST.2007.4.1.1.	level 1	Safety and security by design		CP-FP	CSA-CA	all DG RTD
SST.2007.4.1.2.	level 1	Human physical and behavioural components		CP-FP	CSA-CA	all DG RTD
SST.2007.4.1.3.	level 1	Crisis management and rescue operations		CP-FP	CSA-CA	all DG RTD
SST.2007.4.1.4.	level 1	Integral system solutions for safety		CP-IP	CSA-CA	all DG RTD
SST.2007.4.1.5	level 2	Integrated safety and security for urban rail		CP-FP		rail DG RTD
SST.2007.4.1.6	level 2	Intelligent Road Restraint Systems (RSS)		CP-FP		road DG RTD
SST.2007.4.1.7	level 2	Socio-economic research for the deployment of safety systems		CP-FP		road DG RTD
7.2.4.2	Policy Support					



Workprogramme 2007

Competitiveness

Chapter	Activity	Area	TOPIC	Funding Scheme	Transport Mode	Leading DG
7.2.5	STRENGTHENING COMPETITIVENESS					
7.2.5.1	Competitive Industrial Process (w/SMEs)					
SST.2007.5.1.1.	level 1		Competitive product development	CP-FP	CSA-CA	all DG RTD
SST.2007.5.1.2.	level 1		Cost effective manufacturing and maintenance	CP-FP	CSA-CA	all DG RTD
SST.2007.5.1.3.	level 1		New production organisations and models	CP-FP	CSA-CA	all DG RTD
7.2.5.2	Competitive Surface Transport Products and Services (w/SMEs)					
SST.2007.5.2.1.	level 2		Meeting Customers' Expectations for Rail Travel	CP-FP		rail DG RTD
SST.2007.5.2.2.	level 2		Dynamic Stability of Lightweight Trains	CP-IP		rail DG RTD
7.2.5.3	Policy Support					



Workprogramme 2007

SST Cross-Cutting

Chapter	Activity	Area	TOPIC	Funding Scheme	Transport Mode	Leading DG
7.2.6	CROSS CUTTING - SUPPORT IMPLEMENTATION					
SST.2007.6.1.	level 1		Stimulating participation of small and medium size enterprises (SME)		CSA-SA	all DG RTD
SST.2007.6.2.	level 1		Stimulating Research with International Cooperation partner Countries		CSA-SA	all DG RTD
SST.2007.6.3.	level 1		Raising Awareness of potential jobs opportunities in the Surface Transport sectors		CSA-SA	all DG RTD
SST.2007.6.4.	level 2		Stimulating Radical Technologic Changes		CSA-SA	all DG RTD
SST.2007.6.5.	level 2		The "Future maritime policy" and surface transport research		CSA-SA	waterb DG RTD
SST.2007.6.6.	level 2		Stimulating International Cooperation with neighbouring regions and developing countries on passengers public transport		CSA-SA	rail, road DG RTD
SST.2007.6.7.	level 2		ERA-NET Transport II		CSA-CA	all DG RTD



Horizontal Issues

● International Cooperation

→ Pillar 1: specific to sector or area (industrial driven)

- ◆ *Enhancing industrial competitiveness: follow up of agreements and actions plans already existing – India, Russia –, reinforce strategy initiated in FP6*
- ◆ *Developing common knowledge, addressing common challenges*
- ◆ *Input from TPs*
- ◆ *Embedded in topics*

→ Pillar 2: specific to regions (policy driven)

- ◆ *Support to developing countries and neighbouring regions, policy driven*
- ◆ *Specific topics*

● Encouraging EU-10 and Candidate Countries:

- ◆ *Not specifically addressed in the call, but emphasis was given to the choice of topics with higher impact on cohesion, promoting mobility across borders and developing infrastructures*



Horizontal Issues

- **Keeping SMEs on lead position:**
 - 1 specific topic, emphasis on components in particular activity 5
 - Keeping the same strategy as in FP6 (very successful 25% SMEs)
- **Coping with Science and Society issues:**
 - Synergies between education and research, promotion of careers in research, good practices. Gender issues tackled as well as new skills.
 - Building new partnerships in Research Policy: involvement of civil society
 - Dedicated actions to improve image and stimulate awareness
- **Stimulating breakthrough technologies :**
 - Incorporation of breakthrough technologies and results from interdisciplinary fields (nanotechnologies, biotechnologies) in transport applications
 - Future and emerging technologies tackle by 1 topic in 2007



Synergies with other Themes

4 Specific Programmes (SP):

Cooperation

3. ICT:

4. NMP:

5. Energy:

9. Security:

- Enabling technologies for Security

-Generic equipment and Systems for transport Applications

9. Security

10. Space

Ideas

Investigator-driven "research"

People

Human potential: Marie Curie Actions

Capacities

- Research Infrastructures
- Research for the benefit of SMEs
- Regions for knowledge
- Research potential
- Development of policies
- Science and society
- INCO



EUROPEAN
COMMISSION

Community research

SST programme implementation for 2007

- FP7-SST-2007-RTD-1
- FP7-SST-2007-TREN-1
- FP7-TPT-2007-RTD-1 (SST-AAT common Call)



FP7-SST-2007-RTD-1

Technical content

- Date of publication: 22 December 2006
- Deadline: 3 May 2007 at 17:00 (Brussels local time)
- Total indicative budget: 153.5 M€ (topping-up in 2007)
- Instruments:
 - Collaborative projects:
 - ◆ *Maximum EC contribution for CP-FP: 4 M€*
 - ◆ *Minimum EC contribution for CP-IP: 5 M€*
 - Coordination and support actions:
 - ◆ *To structure research and support programme implementation*
 - ◆ *No research and development activities*



TOPICS Called Overview

- Call SST-2007- RTD -1
indicative budget : 153 M€

- Activity 7.2.1 GREENING

4 topics *level 1* ; 4 topics *level 2*

- Activity 7.2.2 MODAL- DESCONGESTION

2 topics *level 1* ; 3 topics *level 2*

- Activity 7.2.3 MOBILITY – URBAN

2 topics *level 1* ; 1 topics *level 2*

- Activity 7.2.4 SAFETY & SECURITY

4 topics *level 1* ; 3 topics *level 2*

- Activity 7.2.5 COMPETITIVENESS

3 topics *level 1* ; 2 topics *level 2*

- Activity 7.2.6 CROSS-CUTTING within Sub-theme SST

3 topics *level 1* ; 3 topics *level 2*



ACTIVITY 1

Greening

● AREA 1 - Products and Operations

Expected impact



- Contribution to CO₂ reduction emissions aligned with Kyoto targets and beyond
- Reduction of exhaust and local emissions in view of compliance with future legislation
- Increased share of bio-fuels and alternative hydrocarbon fuels
- Support the introduction of hydrogen and fuel cells
- Reduction of external and interior noise and vibration



ACTIVITY 1: Greening

● TOPIC – Level 1 - SST.2007.1.1.1.

Promoting the use of bio-fuels and alternative hydrocarbon fuels

- ➔ Objective: To support the progressive introduction of bio-fuels and alternative hydrocarbon fuels
- ➔ Coverage:
 - ◆ *Adaptation and optimisation of existing engines*
 - ◆ *New power train concepts*
 - ◆ *Safe and clean fuel delivery*
- ➔ Scope: all surface transport modes
- ➔ Cooperation with Brazil, USA and India suggested
- ➔ Funding schemes: CP (small/medium scale)
CSA (coordinating)



ACTIVITY 1: Greening

● TOPIC – Level 1 - SST.2007.1.1.2.

Vehicle/vessel and infrastructure technologies for optimal use of energy

- ➔ Objective: Vehicle/vessels and infrastructure technologies to further reduce energy consumption.
- ➔ Coverage:
 - ◆ *Low mass, low friction and low rolling resistance material*
 - ◆ *Drag reduction*
 - ◆ *Additional non-polluting sources of energy*
 - ◆ *Minimal wash for high speed vessel*
 - ◆ *Optimised overall energy consumption*
- ➔ Scope: all surface transport modes
- ➔ Funding schemes: CP (small/medium scale)
CSA (coordinating)



ACTIVITY 1: Greening

● TOPIC – Level 2 - SST.2007.1.1.3 Integrating natural gas power-trains

- Objective: Demonstrate the full potential of natural gas in light duty engines (10% efficiency increase and better than EURO 5).
- Coverage:
 - ◆ *Build a full demonstration platform*
 - ◆ *Integrate specific after-treatment systems*
 - ◆ *Advanced storage systems*
 - ◆ *Vehicle architectures*
 - ◆ *Multi-grade fuels and fuel flexibility*
- Scope: Road
- Funding schemes: CP (large scale)



ACTIVITY 1: Greening

● TOPIC – Level 2 - SST.2007.1.1.4 Electric ship technology

- Objective: Enlarge the economically viable range of vessel application.
- Coverage:
 - ◆ *New generation of power systems*
 - ◆ *New electric propulsion concepts*
 - ◆ *Electrical actuation of major equipments*
 - ◆ *Clean shore power design*
- Scope: Waterborne
- Funding schemes: CP (large scale)



ACTIVITY 1: Greening

● TOPIC – Level 2 - SST.2007.1.1.5

Clean and energy efficient marine diesel power trains

- Objective: Significantly reduce pollutant emissions and increase overall efficiency of marine diesel propulsion systems.
- Coverage:
 - ◆ *Advanced combustion processes*
 - ◆ *Numerical models and concepts*
 - ◆ *Intelligent engine controls and flexible power-trains*
 - ◆ *Advanced after-treatment systems*
 - ◆ *Innovative components and auxiliary systems*
- Scope: Waterborne
- Funding schemes: CP (large scale)



ACTIVITY 1: Greening

● AREA 2 - Industrial Processes

Expected impact



- Improve recyclability of vehicles and vessels
- Increase the energy efficiency of transport specific industrial processes
- Promote the use of environmentally friendly materials
- Safeguard bio-diversity and protect fragile eco-systems



ACTIVITY 1: Greening

- **TOPIC – Level 1 - SST.2007.1.2.1**

The greening of transport-specific industrial processes

- ➔ Objective: Develop transport specific and innovative industrial processes coupling environmental friendliness with competitiveness and working conditions.
- ➔ Coverage:
 - ◆ *Manufacturing*
 - ◆ *Assembly*
 - ◆ *Construction*
 - ◆ *Inspection, maintenance and repair*
- ➔ Special emphasis: cleanliness and energy efficiency
- ➔ Scope: all surface transport modes
- ➔ Funding schemes: CP (small/medium scale)
CSA (coordinating)



ACTIVITY 1: Greening

- **TOPIC – Level 1 - SST.2007.1.2.2**

End of life strategies for vehicles/vessels and infrastructures

- ➔ Objectives: Develop new methods and processes for vehicle/vessels and infrastructure end of life strategy.
- ➔ Coverage:
 - ◆ *Clean and safe dismantling*
 - ◆ *Clean and safe disposal,*
 - ◆ *Cost effective and clean recycling, conversion, retrofitting and re-use*
 - ◆ *End of life strategies*
- ➔ Special emphasis: minimisation of human exposure to harmful substances
- ➔ Cooperation suggested with China, India, Brazil, Russia & South-Africa in recycling, other Asian countries in ship dismantling
- ➔ Scope: all surface transport modes
- ➔ Funding schemes: CP (small/medium scale)
CSA (coordinating)



ACTIVITY 1: Greening

- **TOPIC – Level 2 - SST.2007.1.2.3**
ECO-SHIP

- ➔ Objective: Protect marine eco-systems by minimising and treating waste and water residuals.
- ➔ Coverage:
 - ◆ *Innovative vessels design*
 - ◆ *Cost effective ballast water treatment*
 - ◆ *Holistic approach to treat all waste sources*
 - ◆ *Waste recovery and re-use within vessels operation*
 - ◆ *Solutions against anti-fouling contamination*
- ➔ Scope: Waterborne
- ➔ Funding schemes: CP (large scale)



ACTIVITY 2

Modal shift & Decongestion

- **AREA 1 Logistics and intermodal transport**

Expected impact



- Improve the interfaces between modes
- Maximize cargo capacity
- Optimize logistics services within global supply chains



ACTIVITY 2: Modal shift and Decongestion

● TOPIC – Level 1- SST.2007 2.1.1

Vehicle/vessels and infrastructure concepts for intermodal freight transport

- ➔ Objective: Innovative vehicle/vessels and infrastructure concepts for operation in multimodal transportation chains.
- ➔ Scope:
 - ◆ *Reliability, flexibility and speed of operations*
 - ◆ *Vehicles/vessels speed and maximum carrying capacity*
 - ◆ *Vehicle/vessels manoeuvrability*
 - ◆ *Loading/unloading operations not included*
- ➔ Cooperation suggested with Russia for heavy rail freight & Baltic sea shipping, North Africa for Mediterranean traffics
- ➔ Scope: all surface transport modes
- ➔ Funding schemes: CP (small/medium scale)
CSA (coordinating)



ACTIVITY 2: Modal shift and Decongestion

● TOPIC – Level 2 - SST.2007.2.1.3

Smart supply chain management in intermodal door-to-door container transport

- ➔ Objective: Reduction of logistic cost and maximisation of efficiency, safety and security of the whole supply chain.
- ➔ Coverage:
 - ◆ *Information and multi-sensor systems for container tracing and tracking*
 - ◆ *Communication systems for business and authorities*
 - ◆ *High capacity container transport flows*
- ➔ Special emphasis: Integration of information technologies, logistics and inspection including customs procedures.
- ➔ Scope: all surface transport modes
- ➔ Funding schemes: CP (large scale)



ACTIVITY 2: Modal shift and Decongestion

- **TOPIC – Level 2 - SST.2007.2.1.5**
Future long-distance freight road transport
 - ➔ Objective: New integrated transport solution for road transportation of goods.
 - ➔ Coverage:
 - ◆ *Modularisation of vehicle architectures*
 - ◆ *Optimal use of energy*
 - ◆ *Optimal route planning (use of GNSS)*
 - ◆ *Improving drivers capabilities*
 - ➔ Special considerations:
 - ◆ *Links with rail and waterborne transport*
 - ◆ *Pan-national demonstrations*
 - ◆ *Support to common standards*
 - ➔ Scope: Road
 - ➔ Funding schemes: CP (large scale)



Modal shift & Decongestion

- **AREA 5 Interoperability and Safety**

Expected impact



- Enhance interoperability of new and existing infrastructure
- Develop and implement TSI's
- Operational and technical integration of national railway systems
- Increase rail traffic



ACTIVITY 2: Modal shift and Decongestion

● TOPIC – Level 1 - SST.2007.2.5.1 Interoperable rolling stock

- ➔ Objective: Innovative train concepts for interoperability and cross-operation.
- ➔ Coverage:
 - ◆ *Advanced mechatronic systems*
 - ◆ *Information and communication systems*
 - ◆ *Technical Specification for Interoperability (TSI)*
- ➔ Cooperation with Russia for interoperability between different train gauges
- ➔ Scope: Rail
- ➔ Funding schemes: CP (small/medium scale)
CSA (coordinating)



ACTIVITY 2: Modal shift and Decongestion

- **TOPIC – Level 2 - SST.2007.2.5.2**
Delivering ERTMS-compliant Interlocking Systems
 - ➔ Objective: Specification and hardware for a new generation of interlocking systems facilitating the deployment of ERTMS.
 - ➔ Coverage:
 - ◆ *Definition of a common kernel of functionalities allocating them to sub-systems.*
 - ◆ *Standardisation of interfaces based on cost/benefit analysis*
 - ◆ *Safety case procedures to facilitate cross-acceptance*
 - ➔ Special emphasis: Harmonisation of functional, operational, performance and technical requirements in signalling.
 - ➔ Scope: Rail
 - ➔ Funding schemes: CP (large scale)



ACTIVITY 3: Urban mobility

● AREA 1 New Transport and Mobility Concepts

Expected impact



- Introduction of new urban transport solutions and technologies
- Inclusion and better access for all
- Better compliance with EU legislation
- Increased safety and energy efficiency



ACTIVITY 3: Urban mobility

- **TOPIC – Level 1 - SST.2007.3.1.1**
New mobility concepts for passengers ensuring accessibility for all
 - ➔ Objective: New mobility concepts aiming at a more efficient organisation of the mobility in cities
 - ➔ Coverage:
 - ◆ *New guided and non-guided vehicle concepts*
 - ◆ *More efficient use of vehicles and infrastructures*
 - ◆ *Dedicated infrastructure for motorised and non-motorised vehicles*
 - ➔ Special emphasis: accessibility for all, elderly and disabled
 - ➔ Cooperation suggested with Industrialised countries for accessibility problems
 - ➔ Scope: all surface transport modes
 - ➔ Funding schemes: CSA (coordinating)



ACTIVITY 3: Urban mobility

- **TOPIC – Level 1 - SST.2007.3.1.2**

Intelligent mobility systems and multi-modal interfaces for transport of passengers

- ➔ Objective: Intelligent mobility systems and optimal multi-modal passenger trips
- ➔ Coverage:
 - ◆ *Data collection techniques*
 - ◆ *Traffic management*
 - ◆ *Route optimisation and traffic planning*
 - ◆ *Safe, secure and efficient multi-modal interfaces*
 - ◆ *Travel information systems*
- ➔ Special emphasis: Trips combining different transport modes.
- ➔ Scope: all surface transport modes
- ➔ Funding schemes: CSA (coordinating)



ACTIVITY 3: Urban mobility

● AREA 2 High Quality Public Transport

Expected impact



- Increased modal share of public transport
- More attractive and inclusive urban transport
- Improved overall performance of public transport
- Promotion of co-modality



ACTIVITY 3: Urban mobility

● TOPIC – Level 2 - S.S.T.2007.3.2.1 European Bus System of the Future

- Objective: Increase the quality of public passenger transport while improving accessibility and intermodal integration
- Coverage:
 - ◆ *Design of a new generation bus system*
 - ◆ *Maximisation of energy conversion*
 - ◆ *Methods and systems for more efficient operations*
 - ◆ *Efficient ground-vehicle passengers transfers*
- Special emphasis:
 - ◆ *Components and sub-systems modularity including open architectures and interfaces*
 - ◆ *Accessibility to all*
- Scope: Road
- Funding schemes: CP (large scale)



ACTIVITY 4

Safety & Security

- **AREA 1 Integrated Safety and Security**

Expected impact



- Halving the number of fatalities by 2010 in road and rail transport
- Reduce risks to human life associated to maritime transport
- Respond to increased mobility demand and crime emergence
- Decrease the level of human error



ACTIVITY 4: Safety and Security

● TOPIC – Level 1 - SST.2007.4.1.1 Safety and security by design

→ Objective: Design of transport systems with intrinsic safety & security

→ Coverage:

◆ *Modelling, risk based design, simulation, engineering, testing, standards & regulations.*

◆ *Design of vehicles/vessels, infrastructures & their interactions ensuring intrinsic safety and security*

◆ *Mechatronic systems*

◆ *Structural integrity and crashworthiness*

◆ *Vehicle to vehicle compatibility*

◆ *Tracing and tracking of ITUs*

→ Cooperation with India, USA and Japan on modelling for crashworthiness suggested.

→ Scope: all surface transport modes

→ Funding schemes: CP (small/medium scale)
CSA (coordinating)



ACTIVITY 4: Safety and Security

● TOPIC – Level 1 - SST.2007.4.1.2

Human physical and behavioural components

- ➔ Objective: Better understanding on human and behavioural aspects and their impact on safety
- ➔ Coverage:
 - ◆ *Bio-mechanics and numerical models*
 - ◆ *Interactions between innovative technologies and the human element*
 - ◆ *Computer-based training systems*
- ➔ Scope: all surface transport modes
- ➔ Funding schemes: CP (small/medium scale)
CSA (coordinating)



ACTIVITY 4: Safety and Security

● TOPIC – Level 1 - SST.2007.4.1.3

Crisis management and rescue operations

- ➔ Objective: Fast and safe crisis management and rescue operations to mitigate post accident impact
- ➔ Coverage:
 - ◆ *Assist and support control centres, emergency services, masters, crew, drivers handle emergency situations*
 - ◆ *Autonomous and remotely controlled intervention systems*
 - ◆ *Operational procedures*
- ➔ Scope: all surface transport modes
- ➔ Funding schemes: CP (small/medium scale)
CSA (coordinating)



ACTIVITY 4: Safety and Security

● TOPIC – Level 1 - SST.2007.4.1.4 Integral system solutions for safety

- ➔ Objectives: Full integration of transport system components for increased safety.
- ➔ Coverage:
 - ◆ *Reliable and fault tolerant safety solutions*
 - ◆ *Integrating aspects of human behaviour, preventive and impact mitigating safety*
 - ◆ *Holistic approach linking vehicles, vessels, infrastructures and the human element*
- ➔ Scope: all surface transport modes
- ➔ Funding schemes: CP (large scale)
CSA (coordinating)



ACTIVITY 4: Safety and Security

● TOPIC – Level 2 - SST.2007.4.1.5

Integrated safety and security for urban rail

- ➔ Objective: common foundation for a control/command system for urban rail transport and common approval process at European level as regards safety and security.
- ➔ Coverage:
 - ◆ *Hazards analysis and characteristics in operations praxis*
 - ◆ *Risk mitigation mechanisms*
 - ◆ *Safety Integrity Level (SIL) and Tolerable Hazard Rate (THR)*
 - ◆ *Safety case model for urban rail transport*
 - ◆ *Mapping of security plans*
- ➔ Scope: Rail
- ➔ Funding schemes: CP (small/medium scale)



ACTIVITY 4: Safety and Security

- **TOPIC – Level 2 - SST.2007.4.1.6**
Intelligent Road Restraint System (RRS)
 - ➔ Objective: Integration of the infrastructure restraints in the road safety systems.
 - ➔ Coverage:
 - ◆ *Innovative RRS based on novel design and/or materials*
 - ◆ *Development of sensors and actuators*
 - ◆ *Standardisation of RRS including computer modelling*
 - ➔ Scope: Road
 - ➔ Funding schemes: CP (small/medium scale)



ACTIVITY 4: Safety and Security

- **TOPIC – Level 2 - SST.2007.4.1.7**

Socio-economic research for the deployment of safety systems

- Objective: Explore ways and means to be applied in an open market economy that will help reducing private safety costs.
- Coverage:
 - ◆ *Economic measures in order to deploy safety technological development*
- Scope: Road
- Funding schemes: CP (small/medium scale)



ACTIVITY 5: Competitiveness

● AREA 1 Industrial Processes

Expected impact



- Reduction of development lead time
- Reduction of manufacturing and construction cost
- Reduction of maintenance cost
- Maintain the level of employment, create new skills and improve working conditions
- Emergence of new high-tech SMEs



ACTIVITY 5: Competitiveness

- **TOPIC – Level 1 - SST.2007.5.1.1**
Competitive product development

- ➔ Objective: Advanced design tools and methodologies for competitive processes, products and operations.
- ➔ Coverage:
 - ◆ *Reduction of development cost and time*
 - ◆ *Product modularity*
 - ◆ *Product life cycle optimisation*
 - ◆ *Goal based design*
- ➔ Scope: all surface transport modes
- ➔ Funding schemes: CP (small/medium scale)
CSA (coordinating)



ACTIVITY 5: Competitiveness

- **TOPIC – Level 1 - SST.2007.5.1.2**
Cost effective manufacturing and maintenance
 - ➔ Objective: Competitive industrial processes specific to transport products.
 - ➔ Coverage:
 - ◆ *Manufacturing*
 - ◆ *Assembly*
 - ◆ *Inspection*
 - ◆ *Maintenance*
 - ◆ *Repair*
 - ➔ Special emphasis: low cost, high quality, reliability, intelligent and flexible processes; environmental aspects and working conditions.
 - ➔ Transport modes: all surface transport modes
 - ➔ Funding schemes: CP (small/medium scale)
CSA (coordinating)



ACTIVITY 5: Competitiveness

● TOPIC – Level 1 - SST.2007.5.1.3

New production organisations and models

- ➔ Objective: Innovative organisations and models for high quality and cost effective surface transport products.
- ➔ Coverage:
 - ◆ *Management of the supply chain*
 - ◆ *New forms of cooperation involving systems and component suppliers*
 - ◆ *Harmonised homologation and cross-acceptance criteria*
 - ◆ *Co-operations between public and private entities*
- ➔ Scope: all surface transport modes
- ➔ Funding schemes: CP (small/medium scale)
CSA (coordinating)



ACTIVITY 5: Competitiveness

● AREA 2 Products and Services

Expected impact



- Develop the new generation of surface transport products
- Create new niche markets
- Improve the quality and competitiveness of surface services
- Reduce maintenance and inspection costs
- Create economic development, jobs and new skills
- Emergence of new high-tech SMEs



ACTIVITY 5: Competitiveness

● TOPIC – Level 2 - SST.2007.5.2.1

Meeting customers' expectations for Rail Travel

- Objective: Changes necessary to the railway system to meet future expectations by passengers.
- Coverage:
 - ◆ *Identification of physical factors*
 - ◆ *Information and ticketing processes*
 - ◆ *Evaluation of user-friendly way-finding*
 - ◆ *Gaps between future requirements and present rail systems*
- Scope: Rail
- Funding schemes: CP (small/medium scale)



ACTIVITY 5: Competitiveness

● TOPIC – Level 2 - SST.2007.5.2.2

Dynamic Stability of Lightweight Trains

- Objective: Establish practical limits on lightening of future trains and optimise trains performance.
- Coverage:
 - ◆ *Economic and environmental impact of train lightening*
 - ◆ *Practical limit values for train lightening*
 - ◆ *Analysis of trains stability*
 - ◆ *Optimisation of collision resistance and mass reduction*
 - ◆ *Mechatronics and active suspension*
 - ◆ *New European standards*
- Scope: Rail
- Funding schemes: CP (large scale)



Cross – Cutting Activities

● For Sustainable Surface Transport

Expected impact

- Support programme implementation
- Structuring European Research
- Creation of a SST ERA
- Support existing and emerging EC policies

To better achieve the SST expected impacts



Cross-Cutting Activities

- **TOPIC – Level 1 - SST.2007.6.1**
Stimulating participation of SMEs

- ➔ Objective: Increase the participation of SMEs in the programme.
- ➔ Coverage:
 - ◆ *Support and facilitate SME participation*
 - ◆ *Information events*
 - ◆ *Networking*
 - ◆ *Studies and workshops*
- ➔ Scope: all surface transport modes
- ➔ Funding schemes: CSA (supporting)



Cross-Cutting Activities

- **TOPIC – Level 1 - SST.2007.6.2**
Stimulating Research with INCO Partner Countries and EU neighbouring regions
 - Objective: Enhance the participation of INCO partner countries.
 - Coverage:
 - ◆ Stimulate and facilitate the participate of organisations from INCO countries
 - ◆ Transport systems for EU neighbouring regions
 - ◆ Analysis of preferred subjects for win-win situations
 - ◆ Information events
 - ◆ Networking
 - ◆ Studies and workshops
 - Scope: all surface transport modes
 - Funding schemes: CSA (supporting)



Cross-Cutting Activities

- **TOPIC – Level 1 - SST.2007.6.3**

Raising awareness of jobs opportunities in the Surface Transport sectors

- ➔ Objective: Job creation and future prospects for young people in surface transport.
- ➔ Coverage:
 - ◆ *Encourage young people to seek for high skilled jobs*
 - ◆ *Evaluate and demonstrate the potential of research outputs*
 - ◆ *Broad communication and stimulation campaign*
- ➔ Special consideration: involve all surface transport stake holders
- ➔ Scope: all surface transport modes
- ➔ Funding schemes: CSA (supporting)



Cross-Cutting Activities

● TOPIC – Level 2 - SST.2007.6.4

Stimulating radical technological changes

- ➔ Objective: Stimulate the development and capture of know-how that will enable surface transport systems of the future.
- ➔ Coverage:
 - ◆ *Foster the creative thinking*
 - ◆ *Take-up of technological breakthroughs*
 - ◆ *Impact analysis and evaluation*
 - ◆ *Technology transfer*
- ➔ Scope: all surface transport modes
- ➔ Funding schemes: CSA (supporting)



Cross-Cutting Activities

● TOPIC – Level 2 - SST.2007.6.5

The “Future Maritime Policy” and Surface Transport research

- Objective: Support the development of the “Future maritime policy Green Paper” through research and dissemination.
- Coverage:
 - ◆ *Analysis of projects supported in the FP5 and FP6*
 - ◆ *Definition of future research priority lines*
 - ◆ *Dissemination and communication*
- Special emphasis: responsible use of the full potential of oceans and seas.
- Scope: Waterborne
- Funding schemes: CSA (supporting)



Cross-Cutting Activities

- **TOPIC – Level 2 - SST.2007 6.6**
International Cooperation with developing countries on passengers public transport
 - ➔ Objective: Contribute to EU External Relations with developing countries through surface transport research.
 - ➔ Coverage:
 - ◆ *Public passenger vehicles adapted to specific local needs*
 - ◆ *State of the art*
 - ◆ *Research road-map*
 - ◆ *Debate forums and dissemination*
 - ➔ Scope: Rail and Road
 - ➔ Funding schemes: CSA (supporting)



Innovationspolitik, Informationsgesellschaft, Telekommunikation

Verkehrsforschung im 7. RP

Arbeitsprogramm „Transport“

David Doerr
TÜV Rheinland Group
Projektträger “Mobilität und Verkehr”
des Bundesministeriums für Wirtschaft und Technologie

7. Transport

(4,180 M€)



Aeronautics & Air Transport

Surface Transport (Rail, Road & Waterborne)

Support to the European global satellite navigation system (Galileo)

Overall Objectives

- Develop **integrated**, **“greener”** and **“smarter”** pan-European transport systems for
 - ▶ *the benefit of all citizens and society*
 - ▶ *respecting the environment and natural resources*
- Secure and further develop the **leading role of European industry** in the global market



7. Transport

(4,180 M€)



Aeronautics & Air Transport

Surface Transport (Rail, Road & Waterborne)

Support to the European global satellite navigation system (Galileo)

Proposed Objective-Oriented Research Themes

1. Creating **greener** surface transport
2. Encouraging **modal shift** and decongesting transport corridors
3. Ensuring sustainable **urban mobility**
4. Improving **safety and security**
5. Strengthening **competitiveness**

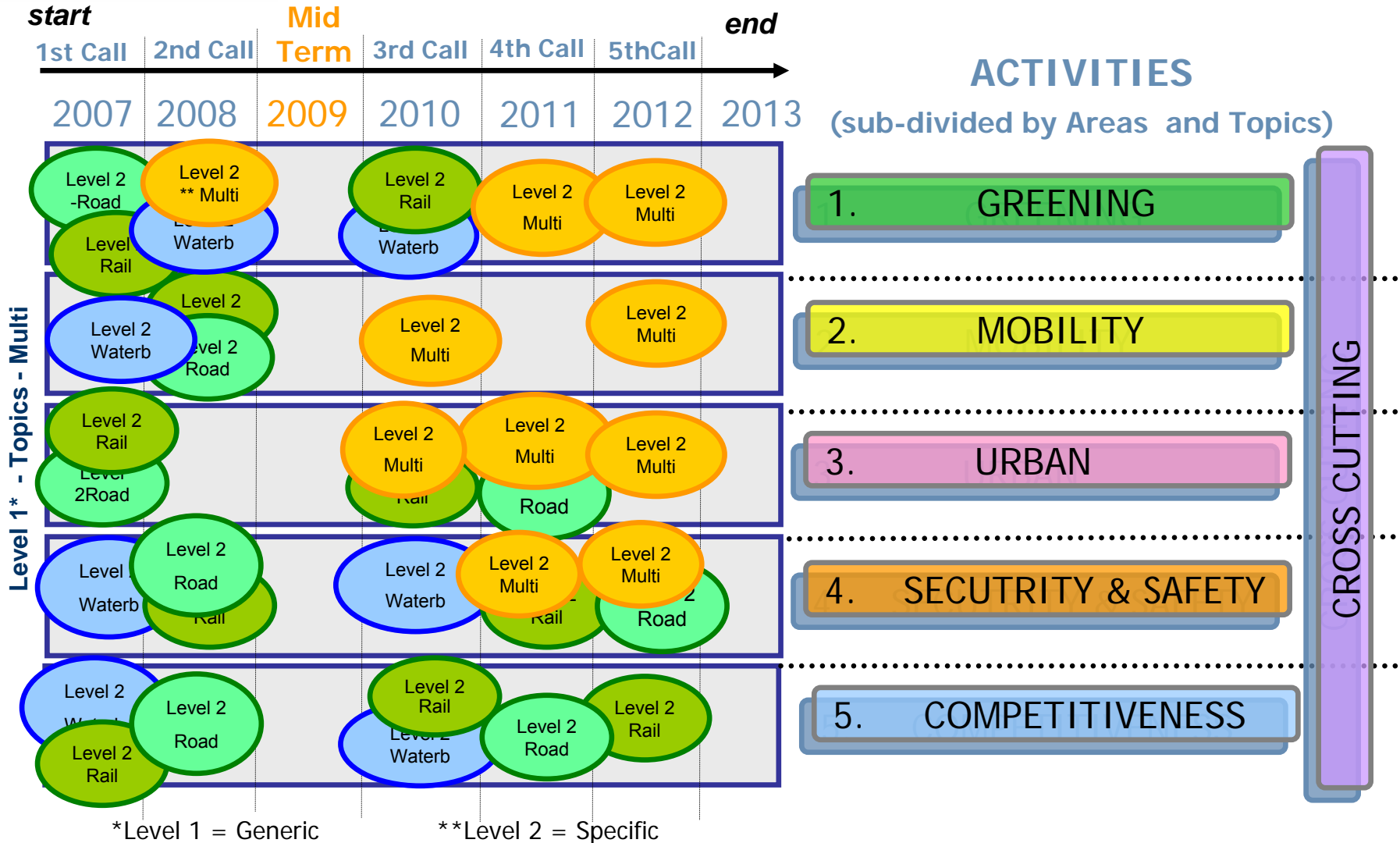


Structure

- ▶ **Work Programme organised by Activities**
 - ▶ 5 activities in line with the strategic objectives of SP ensure impact and facilitate visibility and understanding
 - ▶ 1 cross cutting activity in support of SST addressing global horizontal issues
- ▶ **Activities are sub-divided in Areas**
 - ▶ Research areas are broad domains of investigation, stable during the coming years, expected impacts are indicated
- ▶ **Areas are addressed by Topics**
 - ▶ Topics indication/description of proposals to be submitted in the call.
- ▶ **Topics are either Level 1 or Level 2**
 - ▶ According to the degree of specification in the WP

Structure

- ▶ TOPICS describe the work content
 - ▶ **Level 1 (generic):**
 - ▶ Foundation of the whole SST WP for 2007 and 2008
 - ▶ Broad in their formulation, problem oriented
 - ▶ Mainly common to all modes
 - ▶ Mainly CSA and small and medium-scale CP
 - ▶ Several proposals expected per topic
 - ▶ **Level 2 (specific)**
 - ▶ Mission oriented, specific approaches and outcomes
 - ▶ Call specific
 - ▶ Mostly specific to just one mode
 - ▶ All instruments but predominantly large-scale CP
 - ▶ Normally just one proposal per topic



First Round of Calls – Sustainable Surface Transport (SST)

▶ Three relevant Calls

1. FP7-SUSTAINABLE SURFACE TRANSPORT (SST) – J07-RTD-1
Indicative Budget 153,48 M €
2. FP7-SUSTAINABLE SURFACE TRANSPORT (SST) – RTD-1
Indicative Budget 60 M €
3. FP7-TRANSPORT (TPT)-2007-1
Indicative Budget 12 M €

▶ Single-stage Application Process

▶ Publication: December 22, 2006

▶ Deadline: May 3, 2007

First Round of Calls – Sustainable Surface Transport (SST)

FP7-SUSTAINABLE SURFACE TRANSPORT (SST)-2007-RTD-1

Identifier: FP7-SST-2007-RTD-1

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=40

FP7-SUSTAINABLE SURFACE TRANSPORT (SST) -2007-TREN-1

Identifier: FP7-SST-2007-TREN-1

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=41

FP7-TRANSPORT (TPT)-2007-RTD-1

Identifier: FP7-TPT-2007-RTD-1

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=42

cordis.europa.eu/fp7

Funding Schemes

- ▶ Collaborative Projects (CP)
 - ▶ Large-scale Integrating Projects (Funding \geq 4 M€)
 - ▶ Small or Medium-scale Focussed Research Projects (Funding $<$ 4 M€)
- ▶ Coordination and Support Actions (CSA)
 - ▶ CSA (Supporting)
 - ▶ CSA (Coordinating)
- ▶ Networks of Excellence (NoE) ???

1. 'Greening' Surface Transport

<u>7. 2. 1. THE GREENING OF SURFACE TRANSPORT</u>		
<u>7.2.1.1 The greening of products and operations</u>	SST.2007.1.1.1. Promoting the use of bio-fuels and alternative hydrocarbon fuels	CP (small or medium-scale focused research) CSA (coordinating)
	SST.2007.1.1.2. Vehicle/vessel and infrastructure technologies for optimal use of energy	CP (small or medium-scale focused research) CSA (coordinating)
	SST.2007.1.1.4. Electric ship technology	CP (large-scale integrating projects)
	SST.2007.1.1.5. Clean and efficient marine diesel power trains	CP (large-scale integrating projects)
<u>7.2.1.2 Environment- friendly industrial processes</u>	SST.2007.1.2.1. The greening of transport-specific industrial processes	CP (small or medium-scale focused research) CSA (coordinating)
	SST.2007.1.2.2. End of life strategies for vehicles/vessels and infrastructures	CP (small or medium-scale focused research) CSA (coordinating)
	SST.2007.1.2.3. ECO-SHIP	CP (large-scale integrating projects)

2. Encouraging modal shift and decongesting transport corridors (1)

7.2.2 ENCOURAGING MODAL SHIFT AND DECONGESTING TRANSPORT CORRIDORS (DG RTD)

<u>7.2.2.1 Logistics and intermodal transport</u>	SST.2007.2.1.1. Vehicle/vessels and infrastructure concepts for intermodal freight transport	CP (small or medium-scale focused research) CSA (coordinating)
	SST.2007.2.1.3. Smart supply chain management in intermodal door-to-door container transport	CP (large-scale integrating projects)

2. Encouraging modal shift and decongesting transport corridors (2)

7.2.2. ENCOURAGING MODAL SHIFT AND DECONGESTING TRANSPORT CORRIDORS (DG TREN)

<u>7.2.2.1 Logistics and intermodal transport</u>	SST.2007.2.1.2 Benchmarking	CP CSA (coordinating)
	SST.2007.2.1.4 Preparatory Action on Innovative Transport Networks	CSA
<u>7.2.2.2 Maritime and inland waterway transport</u>	SST.2007.2.2.1 Promotion of inland waterway transport	CSA (coordinating)
	SST.2007.2.2.2 Advanced RIS-based transport management solutions for the IWT sector	CP
	SST.2007.2.2.3 Promotion of short sea shipping and intermodality	CP CSA (coordinating)
	SST.2007.2.2.4 Maritime and logistics co-ordination platform	CP CSA (coordinating)

4. Improving safety & security

<u>7.2.4. IMPROVING SAFETY AND SECURITY</u>		
<u>7.2.4.1 Integrated safety and security for surface transport systems</u>	SST.2007.4.1.1. Safety and security by design	CP (small or medium-scale focused research), CSA (coordinating)
	SST.2007.4.1.2. Human physical and behavioural components	CP (small or medium-scale focused research), CSA (coordinating)
	SST.2007.4.1.3. Crisis management and rescue operations	CP (small or medium-scale focused research), CSA (coordinating)
	SST.2007.4.1.4. Integral system solutions for safety	CP (large-scale integrating projects), CSA (coordinating)

5. Strengthening competitiveness

<u>7.2.5. STRENGTHENING COMPETITIVENESS</u>		
<u>7.2.5.1 Competitive industrial processes</u>	SST.2007.5.1.1. Competitive product development	CP (small or medium-scale focused research), CSA (coordinating)
	SST.2007.5.1.2. Cost effective manufacturing and maintenance	CP (small or medium-scale focused research), CSA (coordinating)
	SST.2007.5.1.3. New production organisations and models	CP (small or medium-scale focused research), CSA (coordinating)

7.2.6 CROSS-CUTTING ACTIVITIES for implementation of the sub-theme programme

	SST.2007.6.1. Stimulating participation of small and medium size enterprises (SMEs)	CSA (supporting)
	SST.2007.6.2. Stimulation Research with International Cooperation Partner Countries	CSA (supporting)
	SST.2007.6.3. Raising awareness of potential job opportunities in the surface transport sectors	CSA (supporting)
	SST.2007.6.4. Stimulating radical technological changes	CSA (supporting)
	SST.2007.6.5. The "Future maritime policy" and surface transport research	CSA (supporting)
	SST.2007.6.6. International cooperation with developing countries on passenger public transport	CSA (supporting)
Open in call FP7-ERANET-2007-RTD	SST.2007.6.7. ERA-NET Transport II	CSA (coordinating)

FP7-TRANSPORT (TPT)-2007-RTD-1

Cross-cutting activities for PROGRAMME IMPLEMENTATION

	TPT.2007.1. Optimisation and integration of R&D efforts for transport of passengers by “co-modality”	CP (small or medium-scale focused research), CSA (coordinating)
	TPT.2007.2. Optimisation of an integrated chain for freight transport logistics by “co-modality”	CP (small or medium-scale focused research), CSA (coordinating)
	TPT.2007.3. Transport contribution to improve competitiveness of European tourism	CSA (supporting)
	TPT.2007.4. The connected traveller in the city, region and world of tomorrow	CP (small or medium-scale focused research)
	TPT.2007.5. Raising Citizen Awareness of Transport Research in Europe	CSA (supporting)
	TPT.2007.6. Evaluation of the impact of FP5 and FP6 projects in the field of Transport	CSA (supporting)
	TPT.2007.7. Development of methodology for evaluation of FP6 performance in the field of Transport Research (Aeronautics and Space and Sustainable Surface Transport)	CSA (supporting)
	TPT 2007.8. Development of a methodology for monitoring the expected impacts of FP7 Transport projects	CSA (supporting)
	TPT.2007.9. Trans-national co-operation among NCPs	CSA (coordinating)

**Indicative Budget
12 M €**

FP7 “Transport” Budget Breakdown

- **Total for FP7: 53,272 M€**
- **Total for “Cooperation”: 32,365 M€**
- **Total for “Transport”: 4,180 M€ (12,9%)**
 - DG TREN: 1,054 M€
 - DG RTD: 3,096 M€
- **Aeronautics / Surface Transport: similar to FP6**

**+ 350 M€
for Galileo**

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Förderinstrumente im 7. Rahmenprogramm

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Wissenstransfer im Tandem

TUHH
Technische Universität Hamburg-Harburg



TuTech **Hamburg**
INNOVATION INNOVATION
Knowledge. Technology. Markets Knowledge. Technology. Markets

Universität Hamburg
Hochschule für Angewandte Wissenschaften Hamburg
Hamburg University of Applied Sciences

HELMUT-SCHMIDT UNIVERSITÄT
Universität der Bundeswehr Hamburg

Universitätsklinikum Hamburg-Eppendorf

hochschule für musik und theater hamburg

HOCHSCHULE FÜR BILDENDE KÜNSTE HAMBURG



Förderinstrumente im 7. Rahmenprogramm

- Informationen zu Förderinstrumenten und Beteiligungsregeln
- Veränderungen gegenüber dem 6.RP / „Übersetzungsliste“
- Antragsverfahren und Begutachtung



7. Rahmenprogramm: Ziele und Aktivitäten

FP7 EC (current prices)

Themes	Health	Food, Agriculture and Bio-technology	Information and Communication Technologies	Nano, Materials, Production	Energy	Environment	Transport	Socio-economic Research	Space and Security		
COOPERATION	Collaborative Research	5 984	1 935	9 110	3 467	2 265	1 886	4 180	607	2 858	32 292
IDEAS	European Research Council									7 460	
PEOPLE	Marie Curie Actions									4 727	
CAPACITIES	Research Infrastructures	Research for the benefit of SMEs	Regions of Knowledge	Research Potential	Science in Society	International Co-operation					
	2 008	1 266	126	350	359	182	4 291				
JRC (EC)										1 751	
Total										50 521	



Arten von Aktivitäten

- Collaborative projects
- Networks of Excellence
- Coordination and Support Actions
- Individual investigator projects (ERC)
- Research stipends
- Research for third parties (SMEs)
- Joint Technology Initiatives
- Research infra-structures
- Article 169



Collaborative Projects

- Wie im 6. Rahmenprogramm (große und kleine Projekte)
 - Groß: Integrated Projects im FP6
 - Klein: Strategic Targeted Research Projects im FP6
- Eventuell kleinere Größen:
 - Groß: 10-30 Partner
 - Klein: 5-15 Partner
 - Hinweise im Arbeitsprogramm beachten!



Grundvoraussetzungen

- Mindestens 3 Teilnehmer aus 3 verschiedenen Ländern (Mitgliedsstaaten oder Assoziierte)
- Ausnahmen möglich (siehe Arbeitsprogramm):
 - Support Actions weniger
 - Spezielle internationale Kooperation mehr



Finanzielle Regeln

- Für Firmen keine Änderungen (bis auf KMUs)
- KMUs
 - Förderung bis zu 75% der Kosten
- Für öffentliche Einrichtungen (Hochschulen!)
 - Abschaffung „Additional Cost“-Modells (AC)
 - Förderung von 75% der Vollkosten bei einem angenommenen Gemeinkostensatz von 60%
 - Reduzierung der „Flat Rate“ auf 40% ab 2010



Antragsverfahren

- Kaum Änderungen gegenüber 6. Rahmenprogramm
 - Call for Proposals (erfolgte am 22.12.2006 mit Abgabe am 3. 5. 2007 für Transportprojekte)
 - Wichtig ist das Arbeitsprogramm
 - Guide for Proposers nur für Collaborative Projects (CP) – keine Unterscheidung zwischen großen und kleinen Projekten
 - Wichtig: nur noch elektronische Anträge mit dem EPSS (Electronic Proposal Submission System)



Was muss man lesen (1)

- **Aufruf zur Einreichung von Vorschlägen ("Call Text")**
- Veröffentlichung im **Amtsblatt der Gemeinschaften** (Official Journal)
 - im Internet unter http://europa.eu.int/eur-lex/de/search/search_oj.html oder <http://cordis.europa.eu/de/home.html>
- **Informationen zu**
 - Typ des Verfahrens (1- oder 2-stufig)
 - Teilnahmebedingungen (Mindestanforderungen)
 - Themenbereiche / Instrumente (Ergänzungstext siehe Arbeitsprogramme)
 - Abgabefristen
 - Informationsunterlagen und Formblätter
 - Call Identifier
- **Nur wenn ein Aufruf erfolgt ist, können Projektanträge eingereicht werden!**



Was muss man lesen (2)

- Leitfaden für die Antragstellung
 - „Call“-spezifisch
 - Instrumentenspezifisch
 - Beschreibt detailliert den Aufbau des Antrags
- Arbeitsprogramm
- **Immer die aktuelle Fassung verwenden!**



Evaluierung

- **Peer Review Verfahren**
 - Aufruf an Wissenschaftler zur Bewerbung als Gutachter
 - Aufruf an Einrichtungen, Gutachter zu benennen
 - KOM kann selbst Experten ansprechen
- **Qualität:** ausgewiesene Fachleute aus Wissenschaft und Industrie
 - Verpflichtung zur **Unabhängigkeit und Vertraulichkeit**
 - Jährliche Veröffentlichung der Gutachterliste



Phasen der Evaluierung

- **Einzelbegutachtung** - ggf. "off-site"
- **Consensus meeting** - Gesamtbewertung des individuellen Antrags und Consensus Report
- **Panel meeting** - "ranking" der Einzelanträge
 - Prioritätenliste mit Förderempfehlungen
 - Reserveliste
 - "no go" Liste
 - Evaluation Summary Report
- **Programmausschusssitzung** - Beratung der Staaten z.B. Einschränkungen hinsichtlich Budget
- **Vertragsverhandlungen** - KOM mit dem Konsortium
- **Formale Zustimmung der Staaten**
- **Vertragsabschluss**



Zusammenfassung

Was bleibt ähnlich?

- Kontinuität bei den Projekttypen
 - Bessere Klarstellung der Instrumente
- Kontinuität in den Basisprozessen (calls, evaluation..)
- Optimierung eher als Revolution in den Regeln zur Beteiligung (aber einige wichtige Änderungen)



Zusammenfassung

Was ist anders?

- Förderarten!
 - Zusatzkostenmodell (AC) gibt es nicht mehr
- Einige Verbesserungen in den Regeln zur IPR
- Nur noch elektronische Einreichung von Anträgen
- Evaluierungskriterien transparenter in den Beteiligungsregeln
- Einführung eines Fonds für Finanzgarantien
- Weniger Audit Certificates!
- Kleinere Konsortien? (IPs 10-30, STRPS 5-15)



Ende

Vielen Dank für Ihre Aufmerksamkeit
und
viel Erfolg bei der Antragsstellung!

Axel Wegner

wegner@tutech.de

<http://www.tutech.de>



Beratung und Förderung der europäischen Zusammenarbeit – NKS sowie ERA-NET MARTEC

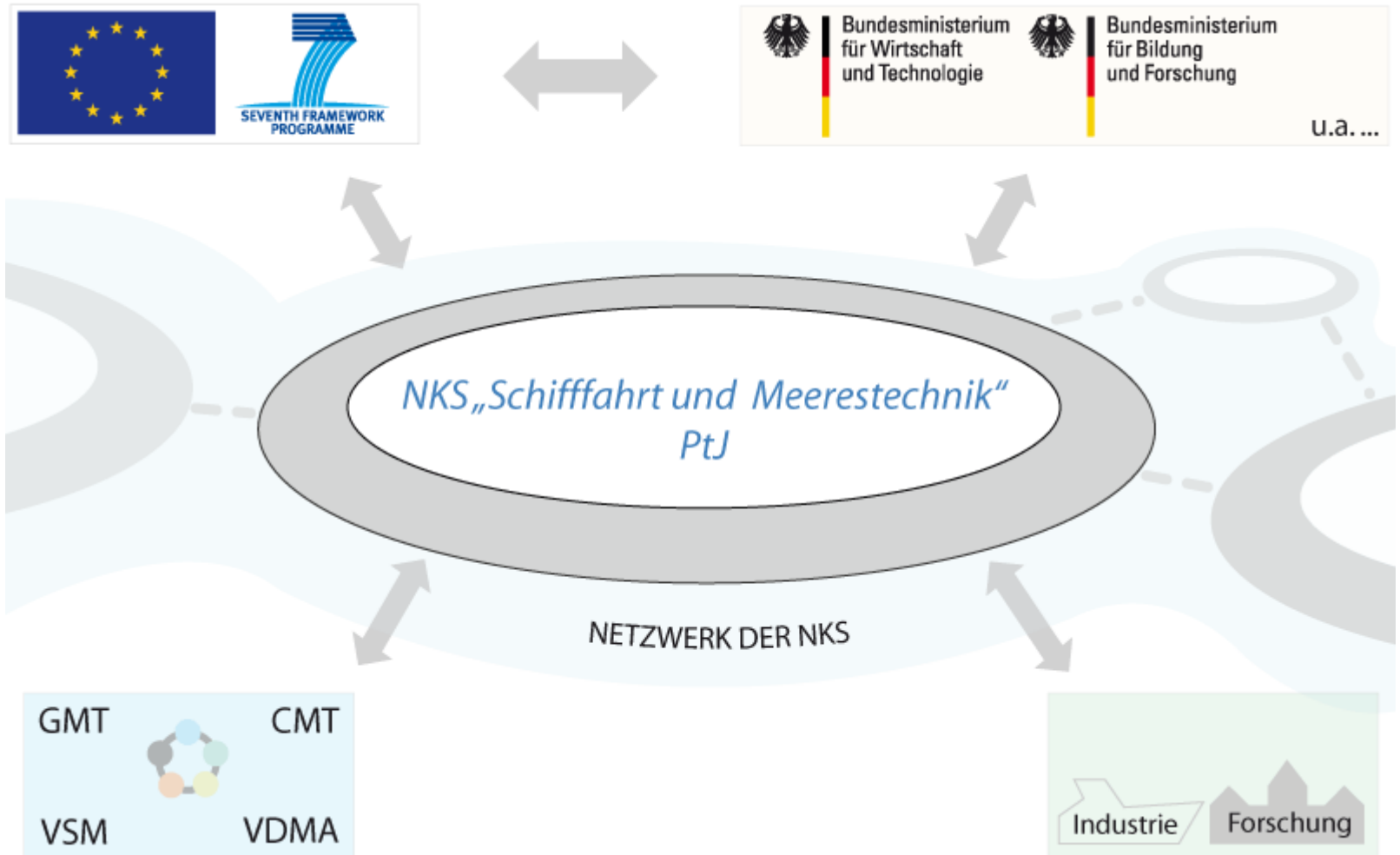
Hamburg 31.01.2007

Dr. Ralf Fiedler, Forschungszentrum Jülich (PtJ)

Nationale Kontaktstelle „Schifffahrt und Meerestechnik“

- **Nationale Informationsstelle im Auftrag des Bundesministerium für Wirtschaft und Technologie (BMWi)**
- **Kontaktstelle in der Phase des Programmentwurfs (Weiterleitung von spezifischen Fragestellungen und Problemen)**
- **Beratung zu Fördermöglichkeiten im Bereich Schifffahrt und Meerestechnik innerhalb des 7. EU Rahmenprogramms**
- **Weitervermittlung an kompetente Ansprechpartner**

<http://www.fz-juelich.de/ptj/nks-schifffahrt-meerestechnik/>



Netzwerk der Kontaktstellen

www.forschungsrahmenprogramm.de

6. Umwelt und Klimawandel				
Programmkoordination (NKS-Netzwerk Umwelt)	Klimawandel, Atmosphärenforschung, Biodiversität, Ökosysteme, Modellierung	Wasserhaushalt, Wasser, Boden, Abfallmanagement, Wassertechnologien	Wasserhaushalt, Wasser, Boden, Abfallmanagement, Wassertechnologien	Umwelt und Gesundheit
Frau Dr. E. Osinski PtJ – UMW e.osinski@fz-juelich.de Tel.: 030/20199-542 Fax: 030/20199-430	Frau U. von Witsch PT-DLR uta.von-witsch@dlr.de Tel.: 0228/3821-576 Fax: 0228/3821-540	Herr Prof. D. Fuhrmann FZ Karlsruhe GmbH, PTKA dieter.fuhrmann@ptka.fzk.de Tel.: 07247/82-3235 Fax: 07247/82-72350	Herr Dr. R. Furrer FZ Karlsruhe GmbH, PTKA Ruediger.furrer@ptka.fzk.de Tel.: 07247/82-3003 Fax: 07247/82-72350	N.N.
Management mariner Ressourcen, Entwicklung mariner Umwelt	Naturkatastrophen, Erdbeobachtung	Landnutzung, Wald und Holz, städtische Umwelt, Bewertung nachhaltiger Entwicklung	Umweltechnologien, Entwicklung, Bewertung, Test, Naturkatastrophen, Kulturelles Erbe	Nationale Kontaktstelle Sozial-, Wirtschafts- und Geisteswissenschaften
Herr Dr. A. Irmisch FZ Jülich GmbH, PtJ a.irmisch@fz-juelich.de Tel.: 0381/5197-287 Fax: 0381/515-09	Frau Dr. S. Fretzdorff FZ Jülich GmbH, PtJ s.fretzdorff@fz-juelich.de Tel.: 0381/5197-287 Fax: 0381/515-09	Frau H. Neumann FZ Jülich GmbH, PtJ h.neumann@fz-juelich.de Tel.: 030/20199-517 Fax: 030/20199-430	Herr Dr. F.-V. Künzer PT-DLR fred-volker.kuenzer@dlr.de Tel.: 0228/3821-694 Fax: 0228/3821-699	Frau M. Schenk PT-DLR martina.schenk@dlr.de Tel.: 0228/3821-645 Fax: 0228/3821-649

7. Transport (einschl. Luftfahrt)		
Programmkoordination – Luftfahrt und Luftverkehr	Programmkoordination – Land- (Schiene, Straße) und Schiffsverkehr	Nationale Kontaktstelle "Schifffahrt und Meerestechnik"
Herr P. Bentzinger DLR, PT-LF peter.bentzinger@dlr.de Tel.: 0228/447-672 Fax: 0228/447-710	Herr D. Doerr TÜV Rheinland Consulting GmbH david.doerr@de.tuv.com Tel.: 0221/806-4156 Fax: 0221/806-3496	Herr Dr. R. Fiedler FZ Jülich GmbH, PtJ – MGS r.fiedler@fz-juelich.de Tel.: 0381/5197-282 Fax: 0381/51509
Herr Dr. S. Romahn DLR, PT-LF stephan.romahn@dlr.de Tel.: 0228/447-673 Fax: 0228/447-710	Herr F. Fiseni TÜV Rheinland Consulting GmbH felix.fiseni@de.tuv.com Tel.: 0221/806-4156 Fax: 0221/806-3496	

8. Sozial-, Wirtschafts- und Geisteswissenschaften
Programmkoordination
Frau A. Schindler-Daniels PT-DLR angela.schindler-daniels@dlr.de Tel.: 0228/3821-641 Fax: 0228/3821-649
Frau M. Schenk PT-DLR martina.schenk@dlr.de Tel.: 0228/3821-645 Fax: 0228/3821-649

9. Weltraum		
Programmkoordination		
Frau Dr. C. Lindberg DLR, RD-ZE claudia.lindberg@dlr.de Tel.: 0228/447-380 Fax: 0228/447-712	Frau Dr. J. Leygraaf DLR, RD-ZE jessica.leygraaf@dlr.de Tel.: 0228/447-302 Fax: 0228/447-712	Herr Dr. A. Klein DLR, RD-ZE adrian.klein@dlr.de Tel.: 0228/447-213 Fax: 0228/447-712

10. Sicherheit
N. N., wird derzeit wahrgenommen von
Herr Dr. F. Gillessen PT-DLR, IT-Querschnittsfragen friedhelm.gillessen@dlr.de Tel.: 02203/601-3403 Fax: 02203/601-2842

Find a Call --> <http://cordis.europa.eu/fp7/dc>

Find a Call		Activity Areas' Calls	
FP7 Calls: Search Open Closed			
Recently Published Calls <ul style="list-style-type: none"> ■ Cooperation: 2006-12-22: FP7-AAT-2007-RTD-1, FP7-AAT-2007-TREN-1, FP7-ENERGY-2007-1-RTD, FP7-ENERGY-2007-2-TREN, FP7-ENV-2007-1, FP7-ERANET-2007-RTD, FP7-ERARESORG-2007-1-RTD, FP7-HEALTH-2007-A, FP7-ICT-2007-1, FP7-ICT-2007-C, FP7-KBBE-2007-1, FP7-NMP-2007-CSA-1, FP7-NMP-2007-LARGE-1, FP7-NMP-2007-SMALL-1, FP7-NMP-2007-SME-1, FP7-SEC-2007-1, FP7-SPACE-2007-1, FP7-SSH-2007-1, FP7-SST-2007-RTD-1, FP7-SST-2007-TREN-1 and FP7-TPT-2007-RTD-1 ■ Ideas: 2006-12-22: ERC-2007-StG ■ People: 2006-12-22: FP7-PEOPLE-2007-1-1-ITN, FP7-PEOPLE-2007-2-2-ERG, FP7-PEOPLE-2007-4-3-IRG, FP7-PEOPLE-2007-5-1-1-NIGHT and FP7-PEOPLE-2007-5-2-AWARDS ■ Capacities: 2006-12-22: FP7-INCO-2007-1, FP7-INCO-2007-4, FP7-INFRASTRUCTURES-2007-1, FP7-REGIONS-2007-1, FP7-REGIONS-2007-2, FP7-REGIONS-2007-3, FP7-REGPOT-2007-1, FP7-REGPOT-2007-2, FP7-REGPOT-2007-3, FP7-REGPOT-2007-4, FP7-SCIENCE-IN-SOCIETY-2007-1, FP7-SME-2007-1, FP7-SME-2007-2 and FP7-SME-2007-3 ■ Euratom: 2006-12-22: FP7-Fission-2007 			
		Cooperation	Ideas
		<ul style="list-style-type: none"> → Health → Food, Agriculture and Fisheries, and Biotechnology → Information and Communication Technologies → Nanosciences, Nanotechnologies, Materials and new Production Technologies → Energy → Environment (including Climate Change) → Transport (including Aeronautics) → Socio-economic sciences and Humanities → Space → Security → General Activities - Annex IV 	<ul style="list-style-type: none"> → ERC
			People
			<ul style="list-style-type: none"> → PEOPLE
			Capacities
			<ul style="list-style-type: none"> → Research Infrastructures → Research for the benefit of SMEs → Regions of Knowledge → Research Potential → Science in Society → Coherent development of research policies → Activities of International Cooperation
			Euratom
			<ul style="list-style-type: none"> → Fusion Energy → Nuclear Fission and Radiation Protection

Find a Call --> <http://cordis.europa.eu/fp7/dc>

Cooperation : Calls

Transport (including Aeronautics)

Call for Proposals	FP7-ERANET-2007-RTD	ERA-NET / ERA-NET Plus Call 2007
Call for Proposals	FP7-AAT-2007-RTD-1	FP7- AERONAUTICS and AIR TRANSPORT (AAT) - 2007- RTD-1
Call for Proposals	FP7-AAT-2007-TREN-1	FP7- AERONAUTICS and AIR TRANSPORT (AAT) - 2007- TREN-1
Call for Proposals	FP7-TPT-2007-RTD-1	FP7-TRANSPORT (TPT)-2007-RTD-1
Call for Proposals	FP7-SST-2007-TREN-1	FP7-SUSTAINABLE SURFACE TRANSPORT (SST) - 2007-TREN-1
Call for Proposals	FP7-SST-2007-RTD-1	FP7-SUSTAINABLE SURFACE TRANSPORT (SST)-2007-RTD-1

Find a Call --> <http://cordis.europa.eu/fp7/dc>

1. Preparation and Submission of Proposals

Electronic Proposal Submission System (EPSS)

2. Information Package

The call fiche

Work programme

Work programme - General introduction

FP7 factsheets

The Guides for Applicants (e.g. Collaborative projects - CP)

3. Additional Documents

4. Get Support

5. Build Your Consortium

View potential partners for this activity area

Example of Basic Evaluation Criteria for FP7-SST-2007-RTD-1 (1. Call – see Guide for Applicants, Collaborative Project)

- Proposal received by the Commission before the **deadline**
- At least the **minimum number of participants** given in the call fiche
- Proposal complete (e.g. both the requested **administrative forms** and the **proposal description** are present)
- The content of the proposal relates to the **topic(s)** and **funding scheme(s)**, including any **special conditions** set out in the relevant parts of the work programme

Example of Evaluation Criteria for FP7-SST-2007-RTD-1 (1. Call – see Guide for Applicants, Collaborative Project)

<i>Evaluation criteria applicable to Collaborative project proposals</i>		
S/T QUALITY	IMPLEMENTATION	IMPACT
“Scientific and/or technological excellence (relevant to the topics addressed by the call)”	“Quality and efficiency of the implementation and the management”	“Potential impact through the development, dissemination and use of project results”
<ul style="list-style-type: none"> • Soundness of concept, and quality of objectives • Progress beyond the state-of-the-art • Quality and effectiveness of the S/T methodology and associated work plan 	<ul style="list-style-type: none"> • Appropriateness of the management structure and procedures • Quality and relevant experience of the individual participants • Quality of the consortium as a whole (including complementarity, balance) • Appropriateness of the allocation and justification of the resources to be committed (budget, staff, equipment) 	<ul style="list-style-type: none"> • Contribution, at the European and/or international level, to the expected impacts listed in the work programme under the relevant topic/activity • Appropriateness of measures for the dissemination and/or exploitation of project results, and management of intellectual property.

Example of a Timetable for FP7-SST-2007-RTD-1 (1. Call – see Guide for Applicants, Collaborative Project)

Publication of call	<i>22/12/2006</i>
Deadline for submission of proposals	<i>3/5/2007, 17:00</i>
Evaluation of proposals	<i>Weeks 23,24,25 and 26 of year 2007</i>
Evaluation Summary Reports sent to proposal coordinators ("initial information letter")	<i>Week 28 of year 2007</i>
Invitation letter to successful coordinators to launch contact negotiations with Commission services	<i>Week 30 of year 2007</i>
Letter to unsuccessful applicants	<i>From Week 30 of year 2007</i>
Signature of first contracts	<i>From December 2007</i>

ERA-NETs – European Research Area Networks














- **Neues Instrument 6. RP – Koordinierung nationaler Programme**
- **Unterstützung von F+E Maßnahmen auf europäischer Ebene**
- **Gezielte Ausschreibungen der Partnerländer**

- **1. Stufe – Gemeinsamer Aufruf, nationale Bewertung, nationale Finanzmittel**
- **2. Stufe – Gemeinsamer Aufruf, gemeinsame Bewertung, nationale Finanzmittel**
- **3. Stufe – Gemeinsamer Aufruf, gemeinsame Bewertung, gemeinsame Finanzmittel (ERA-NET+)**



Contract Number:	CA-026101
Duration:	01.06.2006 – 31.05.2009 (3 years)
Budget:	2 Mio. €
Initial Partner:	12 (from 8 different EU-Countries)
Initial Observer:	1 from United Kingdom
Co-ordinator:	PtJ
Project Website:	<u>http://www.martec-era.net</u>

MARTEC – Partner

 <p>Norges forskningsråd The Research Council of Norway</p>	NO		FI	 
	UK		DK	
	NL		PL	 
	FR		DE	 
	SP			

MARTEC



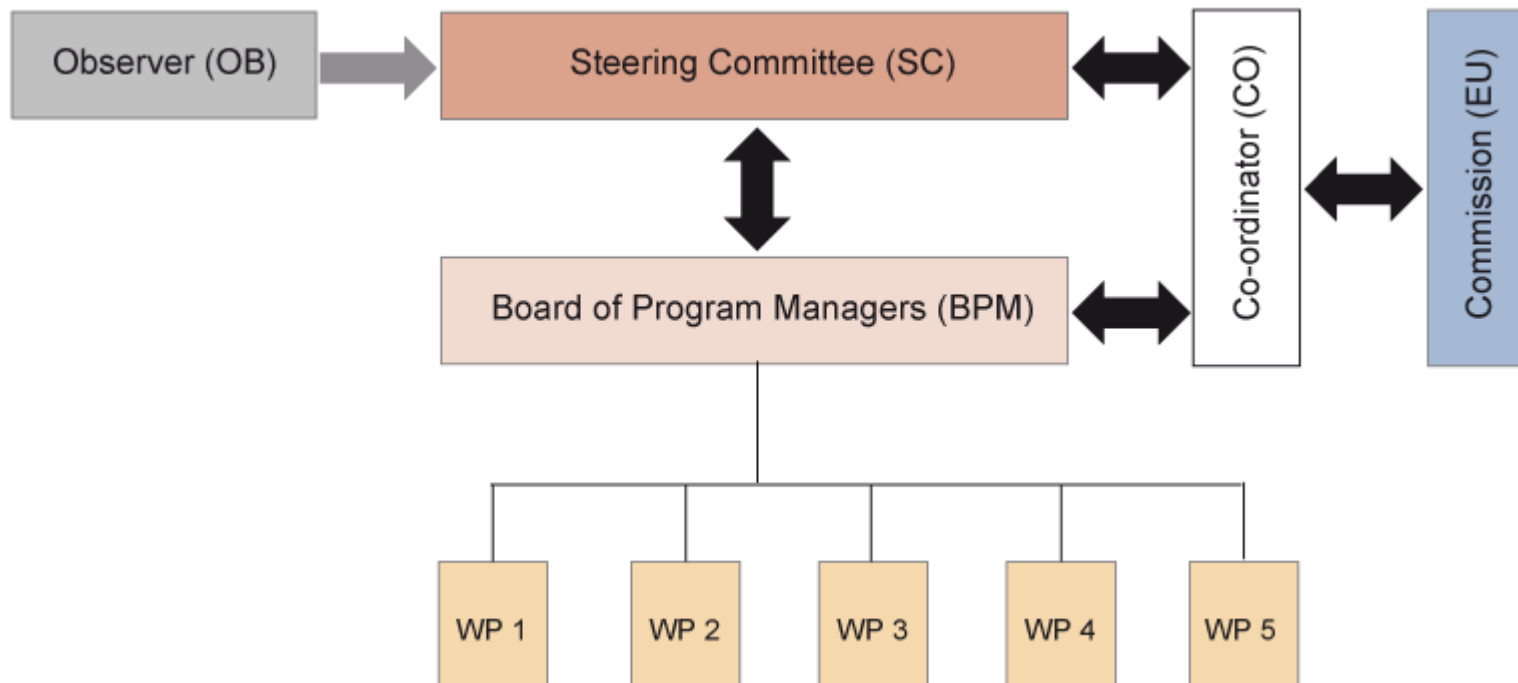
9 Partnerländer

CESA




14 Partnerländer

MARTEC – Network



MARTEC – Priority Areas

Countries	DE	NO	FR	FI	PL	SP	DK	NL	UK	ERA-NET
Priority areas										
Shipbuilding	X	X		X	X	X	X			
Maritime equipment and services	X	X		X	X	X	X			
Ship operation	X	X		X	X	X	X			
Human elements	X					X	X			
Inland water transport	X	X	X		X		X			
Intermodal transport	X	X	X	X	X	X	X			TRANSPORT
Offshore industry	X	X		X		X	X			
Offshore structures for ren. energy	X	X			X	X	X			HY-CO
Port operation	X	X	X		X	X	X			
Fishing/aquaculture		X			X	X	X			MARIFISH
Environmental impact	X	X		X	X	X	X			MARINERA
Polar research	X	X		X			X			EUROPOLAR

MARTEC – National Programs

Country	Duration	Update	Deadlines	Annual budg.
Germany	2005 – 2010	2010	open calls	15 Mio. €
Finland	2003 – 2007	2007	open calls	5 Mio. €
France	2002 – 2007	-	-	300 Mio. €*
Norway	2002 – 2009	2007	two per year	8 Mio. €
Poland	open since 2005	2006	-	19 Mio. €*
Spain	2004 – 2007	2007	one per year	-
Denmark	open since 1995	-	two per year	17,2 Mio. €*

*general research program

Informationsportale

Nationale Kontaktstelle

<http://www.fz-juelich.de/ptj/nks-schifffahrt-meerestechnik/>

ERA-NET MARTEC

<http://www.martec-era.net/>



Informationsveranstaltung
Förderung der maritimen Forschung und Entwicklung im 7.
Forschungsrahmenprogramm der EG

Einführung in
WORKSHOP Schiffbau, Schifffahrt

Hamburg – VSM (31.01.2007)

Frank Roland
Center of Maritime Technologies e.V.
Hamburg

- Begrüßung und Einführung Dr. A. Nürnberg – CMT und VDMA
- **Offene Themen Schiffbau** Dr. F. Roland – CMT
 1. TP „TRANSPORT“ – Themen, Instrumente, Ideen, Kontakte
 2. weitere maritime Einstiegspunkte (außerhalb „Transport“)
 3. Hinweise für eine erfolgreiche Antragstellung / Projektteilnahme
 4. Hilfsangebote und Kontaktstellen
- Fragen und Diskussion Dr. F. Roland – CMT
Mr. M. Kyriakopoulos – GD Forschung
- Zusammenfassung Dr. R.-S. Marquardt - VSM

Inhaltliche Struktur des Arbeitsprogramms

Aufteilung TP7 :

- 7.1 AERONAUTICS and AIR TRANSPORT
- 7.2 **SUSTAINABLE SURFACE TRANSPORT** (Road, Rail, Waterborne)
- 7.3 HORIZONTAL ACTIVITIES (Implementation)
- 7.4 GALILEO

Aktivitäten „Surface Transport“:

- 7.2.1 The Greening of Surface Transport
- 7.2.2 Modal Shift and Decongesting Transport Corridors
- 7.2.3 Sustainable Urban Mobility
- 7.2.4 Improving Safety and Security
- 7.2.5 Strengthening Competitiveness
- 7.2.6 Cross-Cutting Activities

Internet:

http://cordis.europa.eu/fp7/cooperation/transport_en.html



Aktuelle Aufrufe und Förderinstrumente

Aufrufe 2007:

FP7 – Sustainable Surface Transport (SST) – 2007-RTD-1	ca. 153 MEUR
FP7 – Sustainable Surface Transport (SST) – 2007-TREN-1	ca. 60 MEUR
FP7 – Transport (TPT) – 2007-RTD-1	ca. 12 MEUR
Alle Informationen:	http://cordis.europa.eu/fp7/dc/index.cfm
Abgabefrist:	03. Mai 2007

Förderinstrumente:

Collaborative Projects

- Large scale integrated projects (FP6: IP) *CP large* Förderung ab 4 MEUR
- Small and medium scale focused research projects (FP6: STREP) *CP small*
Förderung bis 4 MEUR

Coordination and Support Actions (FP6: CA und SSA) *CSA*

Networks of Excellence (FP6: NoE) *NoE* nicht für 2007

In anderen Programmen werden zusätzliche Instrumente angeboten.



Activity Levels:

Level 1:

*Generic, with broad fields of activity, fostering synergies between modes
Contribute to technological foundation.*

Level 2:

Specific, refer to well identified matters – described in more detail in Work Programme



Activity 7.2.1 (... Greening ...) – Offene Themen

No.	Title	Level	Scheme
7.2.1.1	The Greening of Products and Operations		
SST.2007.1.1.1	Promoting the use of bio-fuels and alternative hydrocarbon fuels	1	CP small, CSA
SST.2007.1.1.2	Vehicle/vessel and infrastructure technologies for optimal use of energy	1	CP small, CSA
SST.2007.1.1.3	Integrating natural gas power trains	2	CP large
SST.2007.1.1.4	Electric ship technology	2	CP large
SST.2007.1.1.5	Clean and efficient marine diesel power trains	2	CP large
7.2.1.2	Environmentally-friendly and Efficient Industrial Processes		
SST.2007.1.2.1	The greening of transport-specific industrial processes	1	CP small, CSA
SST.2007.1.2.2	End of life strategies for vehicles/vessels and infrastructures	1	CP small, CSA
SST.2007.1.2.3	ECO-SHIP	2	CP large

*Genauere Beschreibung der Themen im Arbeitsprogramm – s. Handout, CMT oder CORDIS
Zutreffender Aufruf: FP7-SST-2007-RTD-1*



Activity 7.2.1 (... Greening ...) – bekannte Projektideen – 7.2.1.1

Ref.	Acronym	Titel	Bem. / Kontakt
1.1.1		Bio-diesel ships*	NAME – UK
1.1.2		Integration of design tools for reduction of energy consumption of vessel operation in real environment*	CTO - PL
1.1.2	DOLORES	Delivery of low resistance ships*	NAME-SSRC - UK
1.1.2	AP-FUEL	Fuel cells and fuel reformer based auxiliary power units for large surface ships*	DCN - FR
1.1.2	DIAG-NRG	Energy consumption diagnostic toolbox for ships *	DCN - FR
1.1.4	HYBRIS	Hybrid Diesel-Solar-Electric Passenger Ship*	METTLE - FR
1.1.4		Electric Energy Ship**	SAM, CMT - DE
1.1.5		Diesel power trains**	MAN – DE, EMEC – EU (cons. closed)
1.1.5		Membrane SOx elimination system for marine applications*	NAME - UK

* [Quelle: ERASTAR Workshop Delft, 22-11.2006 – Zuordnung s. dort, Info über CMT](#)

** [Quelle: EMEC \(Europäischer Verband der Zulieferindustrie\)](#)

xyz [starkes Konsortium mit bereits gut definiertem Arbeitsplan arbeitet an „large CP“](#)

Keine Garantie für die Aktualität und Vollständigkeit der Informationen !!



Activity 7.2.1 (... Greening ...) – bekannte Projektideen – 7.2.1.2

Ref.	Acronym	Titel	Bemerkungen / Kontakt
1.2.1		Environmental protection in ship conversion and repair processes*	CTO - PL
1.2.1	PyroPower	Energy Recuperation from Pyrolysis Waste Treatment Technology	QinetiQ - UK
1.2.2	DIVEST ®	Dismantling of vessels with enhanced safety and technology*	NAME - UK
1.2.3	CSABest	Treatment cruise ship advanced best environmental waste and water technology*	ISQ - PT
1.2.3	ECO-SHIP	Eco ship systems**	EMEC - EU
1.2.3	INNOVDIS	Innovative vessel design by adopting new life cycle strategies*	ISQ - PT

* [Quelle: ERASTAR Workshop Delft, 22-11.2006 – Zuordnung s. dort, Info über CMT](#)

** [Quelle: EMEC \(Europäischer Verband der Zulieferindustrie\)](#)

xyz *starkes Konsortium mit bereits gut definiertem Arbeitsplan arbeitet an „large CP“*

Keine Garantie für die Aktualität und Vollständigkeit der Informationen !!



Activity 7.2.2 (... Modal Shift ...) – Offene Themen

No.	Title	Level	Scheme
7.2.2.1	Logistics and Intermodal Transport		
SST.2007.2.1.1	Vehicle/vessel and infrastructure concepts for intermodal freight transport*	1	CP small, CSA
SST.2007.2.1.2	Benchmarking Logistics**	2	CP small, CSA
SST.2007.2.1.3	Smart supply chain management in intermodal door-to-door container transport*	2	CP large
SST.2007.2.1.4	Preparatory action on innovative transport networks**	2	CSA
7.2.2.2	Maritime and Inland Waterway Transport		
SST.2007.2.2.1	Promotion of inland waterway transport**		CSA
SST.2007.2.2.2	Advanced RIS-based transport management solutions for the IWT sector**		CP (??)
SST.2007.2.2.3	Promotion of short sea shipping and intermodality		CP (??), CSA
SST.2007.2.2.4	Maritime and logistics co-ordination platform		CP (??), CSA

Genauere Beschreibung der Themen im Arbeitsprogramm – s. Handout, CMT oder CORDIS

*Zutreffender Aufruf: * FP7-SST-2007-RTD-1, ** FP7-SST-2007-TREN-1*

Nur maritime Themen



Activity 7.2.2 (... Modal Shift ...) – bekannte Projektideen

Ref.	Acronym	Titel	Bem. / Kontakt
2.1.1	ISTER	Innovative Inland Waterway Ship Design for Environment and investment **	ViaDonau – A, CMT - DE
2.1.3	InterLogist	Modal and intermodal efficient logistics (large CP)*	ISQ - PT
2.2.2	Water In Land	Advanced RIS-based transport for waterway*	ISQ - PT
2.2.2		RIS for inland waterway **	ViaDonau - A
2.2.3	INSPIRE	Innovative designs and ship concepts for short sea shipping in Europe*	VTT - SF
2.2.3	POLISCop	Port operations and logistics improvement by simulation and closed loop monitoring*	NAME-SSRC - UK

* [Quelle: ERASTAR Workshop Delft, 22-11.2006 – Zuordnung s. dort, Info über CMT](#)

** [Quelle: andere Informationen CMT](#)

Keine Garantie für die Aktualität und Vollständigkeit der Informationen !!



Activity 7.2.3 (... Urban Mobility ...) – Offene Themen

No.	Title	Level	Scheme
7.2.3.1	New Transport and Mobility Concepts		
SST.2007.3.1.1	Mobility concepts for passengers ensuring accessibility for all*	1	CSA
SST.2007.3.1.2	Intelligent mobility systems and multi-modal interfaces for transport of passengers*	1	CSA
7.2.3.4	Innovative Strategies for Clean Urban Transport***		
SST.2007.3.4.1	Testing innovative strategies for clean urban transport***		CP large
SST.2007.3.4.2	Support action for evaluation and monitoring***		CSA
SST.2007.3.4.3	Support action for coordination and dissemination***		CSA

*Genaue Beschreibung der Themen im Arbeitsprogramm – s. Handout, CMT oder CORDIS
 Zutreffender Aufruf: * FP7-SST-2007-RTD-1, *** FP7-SST-2007-TREN-1 zusammen mit TP Energy
 Keine Zuordnung zu Transportsektoren, Themen aber auch für „waterborne“ offen*

Activity 7.2.3 (... Urban Mobility ...) – bekannte Projektideen

Dem CMT sind derzeit **keine Projektideen** in diesem Bereich bekannt.



Activity 7.2.4 (... Safety and Security ...) – Offene Themen

No.	Title	Level	Scheme
7.2.4.1	Integrated Safety and Security for Surface Transport Systems		
SST.2007.4.1.1	Safety and security by design	1	CP small, CSA
SST.2007.4.1.2	Human physical and behavioural components	1	
SST.2007.4.1.3	Crisis management and rescue operations	1	
SST.2007.4.1.4	Integral system solutions for safety	1	CP large, CSA
SST.2007.4.1.7	Socio-economic research for the deployment of safety systems	2	CP small

Genauere Beschreibung der Themen im Arbeitsprogramm – s. Handout, CMT oder CORDIS

Zutreffender Aufruf: FP7-SST-2007-RTD-1

Nur maritime Themen



Activity 7.2.4 (... Safety and Sec...) – bekannte Projektideen Themen 4.1.1 und 4.1.2

Ref.	Acronym	Titel	Bem. / Kontakt
4.1.1	FIRESEER	Fire resistant ship engine room*	HUT - SF
4.1.1	NEXTDOR	Implementation of risk based design and approval*	NAME-SSRC - UK
4.1.1	RISPECT	Risk-based ship inspection and maintenance*	NAME – UK
4.1.2	CANALTRAIN	PC based portable simulation module for ship handling and animation based training for inland waterways *	NAME - UK
4.1.2	PILOT	(Operation of pod-driven ships)*	UNEW - UK
4.1.2	TAYLORISM	Functional Taylorism of human operations onboard ferries and cruise liners*	NAME-SSRC - UK
4.1.2	VREALSOP	Human factors based virtual reality ship environment for training .. In emergency situations*	NAME - UK

* [Quelle: ERASTAR Workshop Delft, 22-11.2006 – Zuordnung s. dort, Info über CMT](#)

Keine Garantie für die Aktualität und Vollständigkeit der Informationen !!



Activity 7.2.4 (... Safety and Sec...) – bekannte Projektideen Themen 4.1.3 und 4.1.4

Ref.	Acronym	Titel	Bem. / Kontakt
4.1.3	MACHMAD	Management of chained machinery damages *	HUT – SF
4.1.3	SAFE	Simulation assistance for emergencies *	BMT - UK
4.1.3	SafeReP	Safe return to port *	NAME-SSRC - UK
4.1.3	MASSIDAS	Safety and security management system for ships in dangerous situations *	DCN - FR
4.1.4	SABRE	Maritime virtual supervisory „Sail by Wire“ system *	MUGdynia - PL
4.1.4	STTOPS	Survivability against terrorist threats to passenger ships *	UNEW - UK
4.1.4	EXPLOSAFE	Explosive safety assessment for ports, harbour and waterways *	QinetiQ - UK
4.1.4	Nav-SPoT	Ports and terminal navigational safety *	NAME SSRC – UK

* [Quelle: ERASTAR Workshop Delft, 22-11.2006 – Zuordnung s. dort, Info über CMT](#)

Keine Garantie für die Aktualität und Vollständigkeit der Informationen !!



Activity 7.2.5 (... Competitiveness ...) – Offene Themen

No.	Title	Level	Scheme
7.2.5.1	Competitive Industrial Processes		
SST.2007.5.1.1	Competitive product development	1	CP small, CSA
SST.2007.5.1.2	Cost effective manufacturing and maintenance	1	
SST.2007.5.1.3	New production organization and models	1	

Genauere Beschreibung der Themen im Arbeitsprogramm – s. Handout, CMT oder CORDIS

Zutreffender Aufruf: FP7-SST-2007-RTD-1

Nur offene maritime Themen



Activity 7.2.5 (... Competitiveness...) – bekannte Projektideen

Ref.	Acronym	Titel	Bem. / Kontakt
5.1.1	EMCASET	Effective and modular cargo ships for European coastal and short sea transportation *	NAME – UK
5.1.1	GoalID	Goal based ship design *	SSRC – UK
5.1.1	ORCHARD	Organic rankine cycle heat recovery development *	HUT – SF
5.1.1	REDNOISE	On-board system for noise and vibration control and reduction *	CTO – PL
5.1.1	DIAG-ACOUS	Ship noise and vibration diagnostic toolbox *	DCN – FR
5.1.1	MARPAINT	New coating technologies for ship repair and newbuilding **	SSA - UK
5.1.1	INSHOPGUI	Integrated ship operator guidance *	QinetiQ - UK
5.1.2	COMPCRAFT	Competitive manufacture and operation of sustainable recreational craft *	UNEW – UK
5.1.2	CRIBMARS	Critically based maintenance and repair of ships *	NAME – UK
5.1.2	ProModule	Integrated production of modular equipment systems by distributed pre-fabrication *	IMAWIS – DE
5.1.2	SHIPRED	Affordable modelling to allow fabrication of stiffened panels with reduced distortion *	TWI – UK

* [Quelle: ERASTAR Workshop Delft, 22-11.2006 – Zuordnung s. dort, Info über CMT](#)

** [Quelle: andere Informationen CMT](#)

Keine Garantie für die Aktualität und Vollständigkeit der Informationen !!



Activity 7.2.6 (... Cross-cutting...) – Offene Themen

No.	Title	Level	Scheme
SST.2007.6.1	Stimulating participation of small and medium enterprises (SME)*	1	CSA
SST.2007.6.2	Stimulating research with international cooperation countries and EU neighbouring regions*	1	CSA
SST.2007.6.3	Raising awareness of potential job opportunities in the surface transport sectors*	1	CSA
SST.2007.6.4	Stimulating radical technological changes*	2	CSA
SST.2007.6.5	The „Future Maritime Policy“ and surface transport research*	2	CSA
SST.2007.6.6	International cooperation with developing countries on passenger public transport*	2	CSA
SST.2007.6.7	ERA-NET Transport II** <i>(only programme owners and funding agents)**</i>	2	CSA

*Genauere Beschreibung der Themen im Arbeitsprogramm – s. Handout, CMT oder CORDIS
 Zutreffender Aufruf: * FP7-SST-2007-RTD-1, ** FP7-ERANET-2007-RTD
 Nur maritime Themen und Themen für alle Transportsektoren*

Dem CMT sind derzeit **keine Projektideen** in diesem Bereich bekannt.



Activity 7.3 (Horizontal Activities...) – Offene Themen

No.	Title	Scheme
TPT.2007.1	Optimisation and integration of R&D efforts for transport of passengers by „co-modality“	CP small, CSA
TPT.2007.2	Optimization of an integrated chain for freight transport logistics by „co-modality“	
TPT.2007.3	Transport contribution to improve competitiveness of European tourism	CSA
TPT.2007.4	The connected traveller in the city, region and world of tomorrow	CP small
TPT.2007.5	Raising citizen awareness of transport research in Europe	CSA
TPT.2007.6	Evaluation of impact of FP5 and FP6 projects in the field of transport	CSA
TPT.2007.7	Development of methodology for evaluation of FP6 performance in the field of transport research	CSA
TPT.2007.8	Development of methodology for monitoring expected impacts of FP7 transport projects	CSA
TPT.2007.9	Transnational cooperation among National Contact Points	CSA

Genaue Beschreibung der Themen im Arbeitsprogramm – s. CMT oder CORDIS

Zutreffender Aufruf: FP7-Transport (TPT)-2007-RTD-1

Themen für alle Transportsektoren

Dem CMT sind derzeit **keine Projektideen** in diesem Bereich bekannt.



Priorität	Relevante Sektoren	Bemerkungen
2 – Food, Agriculture and Fisheries ...	Fischerei, Aquakultur	von GMT überwacht und in WS „Meerestechnik“ behandelt
3 – Information and Communication Technologies	spezielle Themen aller maritimen Sektoren, meist in Zusammenarbeit mit anderen Industriezweigen	Überwachung durch CMT, Kontakt: esins@cmt-net.org
4 – Nanosciences ... materials and new production technologies		s. detaillierte Darstellung, Kontakt: krause@cmt-net.org
5 – Energy	Offshore, alternative Energien, z.T. Schiffbau	von GMT überwacht und in WS „Meerestechnik“ behandelt
6 – Environment (including climate change)	Meeresumwelttechnik, Sensoren, Katastrophenschutz	von GMT überwacht und in WS „Meerestechnik“ behandelt
7 – Transport (including aeronautics)	Schiffbau, Schifffahrt, Häfen	s. detaillierte Darstellung, Kontakt: roland@cmt-net.org
9 – Security	diverse Sicherheitsaspekte	Überwachung durch CMT, Kontakt: ullmer@cmt-net.org

Nähere Informationen über CMT / GMT oder:

http://cordis.europa.eu/fp7/cooperation/home_en.html

www.forschungsrahmenprogramm.de/zusammenarbeit.htm



Ausgewählte interessante Themen – TP 4: NMP – Teil 1

No.	Title	Scheme
4.1.2	Nanotechnologies and converging technologies	
4.2.2	Knowledge based smart materials with tailored properties	
4.2.5	Using engineering to develop high-performance knowledge based materials <i>(materials for extreme environmental conditions)</i>	
4.3.1	Development and validation of new industrial models and strategies	
	New industrial models for product and process life cycle	CP large
	New added-value user-centred products and product services	CP SME
	Integrated risk management in industrial systems	CP large
4.3.2	Adaptive production systems	
	Rapidly configurable machines and production systems	CP small
4.3.3	Networked production	
	Innovative customer-driven product-service design in a global environment	CP small
4.3.4	Rapid transfer and integration of new technologies into ... manufacturing ...	
	Rapid manufacturing services for small series industrial production	CP SME

Genauere Beschreibung der Themen im Arbeitsprogramm – s. CMT oder CORDIS



Ausgewählte interessante Themen – TP 4: NMP – Teil 2

No.	Title	Scheme
4.4	Integration of technologies for industrial application	
	Advanced wood-based composites and their production	CP large
	Multifunctional materials for future vehicles	CP large
	Resource efficient and clean buildings	CP large

*Genauere Beschreibung der Themen im Arbeitsprogramm – s. CMT oder CORDIS
Kontaktanbahnung z.B. über die Europäischen Technologieplattformen über CMT*

Vorteile einer Nutzung des NMP - Programms:

- Zusammenarbeit mit anderen Industriezweigen,
- Möglichkeiten zu anwendungsorientierten Projekten,
- Zweistufiges Antragsverfahren,
- Spezielle Möglichkeiten für KMU



Andere Spezifische Programme

Programm	Relevante Möglichkeiten	Bemerkungen
IDEAS	Förderung von Grundlagen- und Zukunftsforschung	http://cordis.europa.eu/fp7/ideas/home_en.html www.forschungsrahmenprogramm.de/ideen.htm
PEOPLE	Förderung von Forscherkarrieren und Mobilität	http://cordis.europa.eu/fp7/people/home_en.html www.forschungsrahmenprogramm.de/menschen.htm Besonders interessant: Industry - Academia Partnerships and Pathways
CAPACITIES	Förderung der Forschungsinfrastruktur	http://cordis.europa.eu/fp7/capacities/home_en.html www.forschungsrahmenprogramm.de/kapazitaeten.htm Besonders interessant: <ul style="list-style-type: none">- Research Infrastructures- Research for the benefit of SME's- Regions of Knowledge- Developing research potentials in converging regions

Nähere Informationen über CMT / GMT oder Nationale Kontaktstellen



- **Nutzen Sie Informationsmöglichkeiten:**

- umfangreiches Informationsmaterial über CMT, Nationale Kontaktstelle u.a.,
- aktuelle Informationen über sich anbahnende Projekte ändern sich täglich – wir wissen i.d.R. Bescheid und helfen weiter,
- werden Sie CMT – Mitglied um aktuelle Informationen zu erhalten

- **Nutzen Sie Beratungsangebote:**

- sprechen Sie z.B. CMT mit Ideen an – wir beraten über Fördermöglichkeiten bzw. nachnutzbare Ergebnisse, informieren über Konsortien und versuchen, Sie einzubinden,
- es gibt auch andere (NKS, Beratungsfirmen) Angebote – erstmalige Antragstellung „auf eigene Faust“ ist erfahrungsgemäß schwierig

- **Formulieren und verfolgen Sie klare technische Ziele:**

- Ist Projektmanagement Ihre Kernaufgabe? – sie können dies vergeben (100% Förderung)
- Übernehmen Sie eine führende Rolle im Konsortium (Koordinator oder Arbeitspaket)
- klares inhaltliches Konzept sichert Praxisrelevanz und Erfolg

- **Bringen Sie langfristig Ihre Erfahrungen und Interessen ein:**

- Registrierung als externer Experte: <https://cordis.europa.eu/emmf7>
- strategische Forschungsfelder müssen langfristig vorbereitet werden
- Nutzen Sie [nationale Ansprechpartner](#)

Frequent Concerns



Vielen Dank für Ihre Aufmerksamkeit !

Fragen und Kommentare ?

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