

# Structural specification and content definition report of the Transport Research Programme Information system

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## Abstract / Executive Summary / Conclusions

Task 1.1 of ENT prepares **definitions for an information system on national transport related research, technology and innovation programmes and contacts**. This information system will:

- empower national **programme owners and managers (PO/PM)** - as the main user of the system - to **set up joint activities strategically or on an ad-hoc basis** by identifying program cooperation opportunities based on **reliable and actual information** (find new funding partners, keep updated about activities in existing partner networks), by
  - providing a **more comprehensive picture of national research funding landscape in Europe** by showing all national activities within a reference system (comparability for identifying similarities and differences, gaps for more transparency);
  - facilitating member states to **design and implement better transport research programmes** by mutual learning of other programming approaches (insights on programming procedures and contents of other countries can also lead to more coherency in national programming and reduced coordination needs in a longer term);
  - building a **permanent platform for information exchange** as a meaningful contribution for facilitating/enhancing the community of PO/PM;
- provide an **overview on national funding opportunities for European researchers** heading for transnational research projects, in particular on national funding schemes open for non-residents but also on cooperation project options based on traditional resident funding orientated schemes, by merging fragmented information about national R&D funds in a **publicly available data-base**.

The design of this information system is based on a participative approach in the scope of ERA-NET TRANSPORT . **Two user-requirement workshops** have been held in 2008 involving national PO/PM, other ERA-Net's with information system experiences and stakeholders for research related information system in Europe (ERA-Watch/NET-watch, Transguide, TRKC). Results of this creativity and consultation process were compiled in this "structural specification and content definition report of the Transport Research Programme Information system".

The findings of this definition process point out, that especially the aspect of providing a **web-based tool to build and facilitate a community of national PO/PM in Europe** by providing well structured information both about existing and potentially future instruments and activities ("prospective approach") creates a significant added value, as not yet sufficiently covered by other initiatives. A result of task 1.1 activities is therefore the functional architecture for a „Transport Research Funding Programme **and Community Information System**".

The aim of this web-based tool is to support cooperation activities on a personal level by identifying hidden cooperation opportunities to increase the efficiency of cooperation/coordination preparation activities based on comprehensive information provision.

**Data provision and update** for this system **requires the active involvement of PO/PM** by providing information about funding instruments - where ever possible - within their own responsibility. In this means data-provision and maintenance will be done by the PO/PM as data providers (=main users) on a "see and be seen bases", without detours over 3rd party providers, in order to ensure most accurate and actual data.<sup>1</sup>

For the first phase of data-collection ERA-NET TRANSPORT will pre-fill a certain stock of data (most important programmes) to allow a smooth implementation phase with minimized efforts for the users. This pre-filling will be based on previously collected data in ENT and other data-bases. The data has then to be approved/revised and updated by responsible PO/PM. The system will assist the users to keep data updated by providing update requests from the responsible PO/PM, if data-sets are outdated.

The **Core architecture** of the system consists of a hierarchical structure with **research funding programs and related program activities** (calls for proposals/tenders, singular project activities). All required attributes for transnational funding activities - which appeared to be important based on previous ENT experiences - are mapped in a reference structure (comparability!). The users can browse through certain attributes, use advanced search option or apply a specific profile of interest to gather relevant information (**search functions**). Search results can then be compared (e.g. cross comparison of programme/call attributes) or further analysed in graphical overviews on timelines for finding windows of cooperation, network analysis or simply having the data ready for export (**report functions**). A digital blackboard for posting questions/requests or announcing activities ("wanted board") and a newsletter function round up the **community functions** of the system.

Although majority of the information in the system is publicly available some information can be classified as restricted and not available (e.g. plans for new programmes, calls,...) for the public, but for the circle of PO/PM only (prospective approach). This enables PO/PM to kick-off cooperation activities at a very early stage. Special focus of data attributes is given to highlight aspects about transnational cooperation, in order to show previous experiences and motivate for further actions.

The beta-version is envisaged to be ready by summer 2009 (TÜV). After a pre-filling and test phase with friendly users the first public release is scheduled for November 2009. Implementation activities are prepared and led by a core team of BMVIT, TÜV and TET. This core team is also in charge to take measures for minimizing the workload for data provision of the PO/PM. **Support of ENT partners (national PO/PM) is required** for data provision and system evaluation in Summer/Autumn 2009 **with an estimated workload of 1-3 person days per PO/PM.**<sup>2</sup>

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<sup>1</sup> ENT is therefore not responsible for false or misleading content in the data-base. A disclaimer will be installed.

<sup>2</sup> Sufficient amount of labors for the support of this task has been incorporated in the DOW of ENT.

## 1. Introduction and purpose of this document

ERA-NET TRANSPORT (ENT) has identified the need for structured information on national transport related research funding instruments in Europe. The process of collecting user requirements results in the functional architecture for a **web based tool** with the purpose of

- providing up-to-date overviews on national funding programs (and related activities),
- their characteristics, tn-activities and access points for further tn-cooperation actions,
- relevant stakeholders and responsible persons (program managers/owners).

This working tool based on a web-database should support the program managers/owner in

- providing/retrieving information about related funding activities,
- getting in touch with other responsible persons for ad-hoc cooperation in the field of coordinated programming or strategically cooperation activities on the policy level (integrated programming),
- understanding other program architectures and exchanging best-practice information, as well as in
- establishing permanent information and cooperation networks (community of program responsible persons in Europe).

Although PO/PM are the main target groups for the tool, information of this system will be publicly available in order to enhance transparency of the ERA and to stimulate program coordination also from bottom-up (interest for cooperation out of the research community).

Purpose of this document is to deliver **definitions on level of detail sufficient to build the frame for the system, but preserving flexibility for different technical solution paths** (resource efficient realisation). This document contains therefore

- **structural and functional specifications of the system** (user rules and data structure/provision, community functions, search function, reporting functions),
- a **timeline** for implementation, as well as
- a structured catalogue of related database attributes (Annex).

The derived system architecture, based on 2 user requirement workshops held in Vienna with key-actors, represents the collected and compiled user needs without technical implications (definitions were not yet subject to a technical feasibility test).

The definitions are the foundations for the compilation of the technical system architecture in a next step. The technical architecture will then comprise specific processing, display and user interaction definitions.

## 2. General guidelines

A collection of database contents and functions were derived out of the user requirements workshops and compiled into these documents definitions (see report further below). But the discussions were also dealing with general aspect by raising the question of the need for a new database.

Following key-outputs outputs of the workshops where used as general guidelines for defining the system:

- The vision of forming a “European Transport Research Community of national Transport research owners and managers” by the planned ENT “Transport Research Funding Programme and Community Information System” was reflected by the invited experts as very valuable.
- The envisaged “prospective approach” of this tools (“provide information for facilitating future collaborations”) will generate added-value to the already existing, more retrospectively orientated databases.
- The coordination and collaboration of existing databases and tools in the field of Transport research towards a cross-linked system was suggested.
- A common reference structure for programmes and related information is a key factor to make information comparable and paves the ground for further – more closely and better coordinated – programming activities and cooperation frameworks.
- The developed ideas propose a great potential for added-value for the ERA, however certain efforts have to be taken to motivate people for their participation, their data entry and management.
- The tool needs to be integrated in a comprehensive concept. It can not substitute the need of personal meetings. The database can contribute to a better targeted preparation of tn-activities and will improve the cost-efficiency ratio of transnational preparatory actions (support tool for finding the requested information and contacts).
- Already existing databases and activities (ERA-Watch/NET-Watch, TRKC) could benefit from this thematic information system and vice-versa, if the tool is designed and operated in a coordinated way. Close coordination is necessary in the phase of the development of the IS-architecture and especially in the phase of data-collection, to avoid double work for the national responsible and to preserve their motivation for providing data.

## 3. User rules and data structure/provision

### 3.1. User environment

Three different layers of user groups can be identified. The **operator** is in charge for updating the database environment (not the data itself!) and for the user administration. The operator is also the target point for any concerns and problems which might occur in regards of the system. The operator function tends to be duty of TÜV-Rheinland for the project period of ENT. Model for continuing the operation after the termination of the ENT project in 2011 have to be investigated.

A **registered user** is a responsible person who provides data input for the database (data-provider). This person should be identically with a person responsible for a transport research funding program or comparable funding instrument (program owner or program manager).<sup>3</sup> Registered users are authorized to use the full spectrum of data-base function, to retrieve all contents of the data-base (data classified restricted/non-restricted) and to update the assigned program information after his login. One program data set can be assigned to one or more registered users according to the national responsibilities.

**Non-registered users** can retrieve non-restricted data-base contents only within a limited selection of database functions (non restricted data sets or attributes).

### 3.2. Registration and login

The user registration process leads to user-right for editing own program data-sets. The user can install data editing rights for other users which are already registered. To avoid misuse a clearing for user rights is necessary, which has to be done by the administrator.

A login opportunity will be provided for users after the registration process. A password reminder function will be installed.

### 3.3. Definitions and database data-sets

Main contents in the database relate to funding instruments like transport research funding programmes or comparable funding schemes<sup>4</sup>. Following definition for "programmes" will be introduced:

*Programmes represent the **framework and definition for funding a series of or singular R&D activities in the field of transport**. They usually address certain themes, groups of stakeholders **and use** (or are geared to use) **public funds (funding budget)**.*

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<sup>3</sup> In the stage of data-base setup „key users“ can take over the role to pre-fill the data-base for several countries with existing information or help corresponding data-providers in several countries to provide their national data-sets.

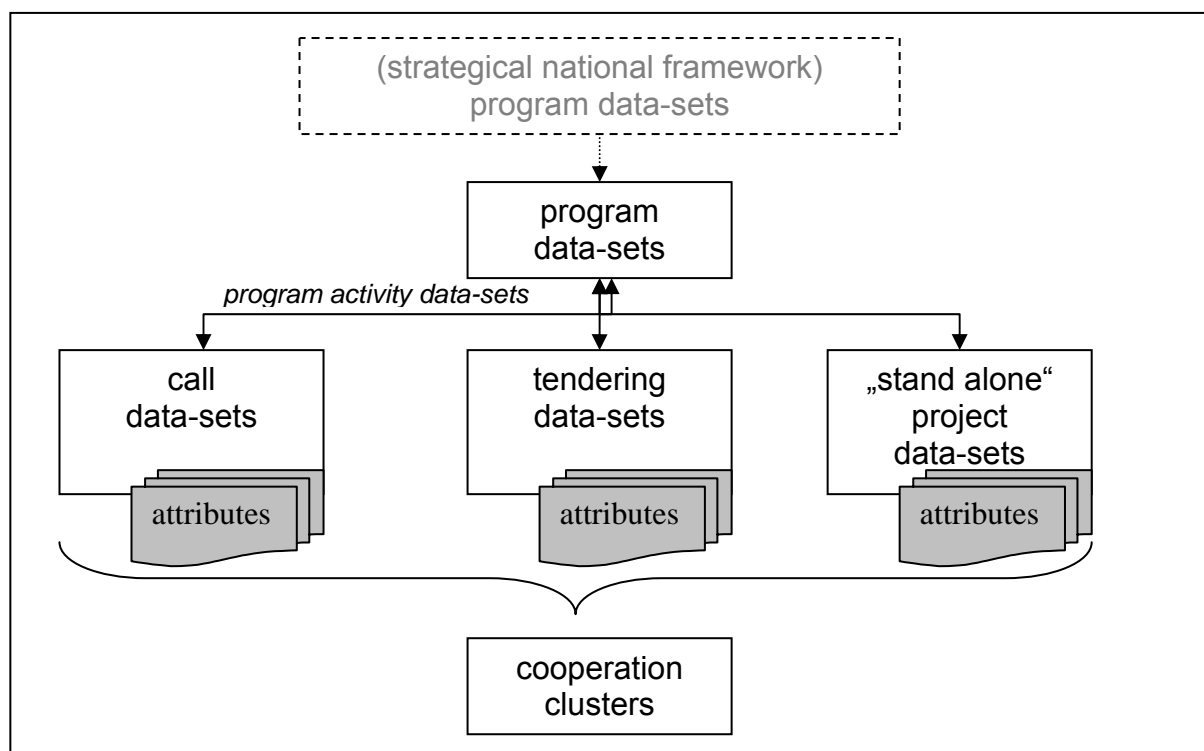
<sup>4</sup> Funding schemes, which are not being declared as a research funding programmes. Programs or comparable activities are characterized by a certain (or expected) R&D **funding** budget. Research activities as such are no database content.

Data-sets are the major logical entities of the data-base comprising all relevant attribute definitions to **profile the activities** within a **reference structure**. The reference structure ensures a certain level of information, compile ability of requests and comparability between different data-sets of the same nature. All database contents need to be in **English language**.

National governance systems are mapped by research funding **program data-sets** definitions and definitions for **program related activities** in the data-base. Related activities can comprise funding activities on a competitive base (call for proposals, call for tenders) or singular research project funding activities. Program related activities are usually subordinated to programmes and therefore represented in hierarchical structure within the database, but the database is also able to cope with exceptional cases, where activities are not embedded in superior programs (stand-alone activities).

Program data -sets or program related activities can be linked within a **cooperation cluster** to transnational cooperation activities visible (e.g. ENT action groups). The cooperation cluster poses as an umbrella by consisting of subordinated data sets (and subsets) and comprises addition information about the overall cooperation alignment (e.g. the cooperation architecture of a cooperation activity).

Figure 1: Overview on the data-set structure



Data-sets can be compiled, revised or updated by **registered users** on basis of filling out a screen template or can be imported by an import function out of an excel-sheet, to open also an offline channel for filling the data base. To minimize the efforts for compiling new data sets with a similar alignment of existing data-sets (e.g.

new calls based on existing programmes with no or only slightly changed content/procedures) **data-sets can be duplicated** and adjusted.

Every actual data-set has at least one responsible user (registered user), to avoid data without related responsibilities in the system. A change of responsibilities has to result into an update of related user(s) in the database.

Data-sets will explicitly be provided in an **“open structure”** to allow other related databases or search engines to access this information (unless the information is not classified as "restricted") easily. However, certain data-sets or some selected attributes can be classified as "restricted" by the registered user.<sup>5</sup>

An **approval of the provided data-sets** from the responsible registered user (=PO/PM) **is required** prior to the online publishing of the data (online review).

### **3.4. Data update**

The data update concept does **not foresee centralized data maintenance** by 3rd parties after the introduction phase of the data-base. To minimize total required manpower and to ensure most accurate and actual information the data has to be updated directly from responsible PO/PM.

Data sets can be updated **user driven or based on email update requests** which will be automatically triggered by the system. Trigger points for email requests will be defined in order to engage periodically updates related to a certain period after program data is outdated (based on the timestamps for data provision; e.g. data is older than 1 year). Moreover update requests can be released by the system if data is obviously outdated according to its definition (e.g. the defined program period or a call period is over).

For improved transparency a **protocol function** saves all changes (timestamps and users). Changes made by different users registered for one data-set can be traced. The protocol data can be viewed for every attribute.

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<sup>5</sup> This is in case if PO/PM can not (yet) provide information for the general public, but is willing to provide information for other PO/PM (registered users) only.

## 4. Community functions

### 4.1. *Personal profile of interest (subscribe data-sets)*

Registered users can define a profile of interest to observe certain activities in their networks. The personal profile of interest can also pose as filter for searching database information or for subscribed email notifications. New entries or changes on specific data-set types can trigger messages to the user per email or on log-in, in order to make the user aware of new matches.

### 4.2. *Newsletter*

Registered users can install email notification on news within the data base with the purpose raise interest for data-base contents.

The newsletter will be generated by the system automatically. The contents comprise basic figures about data sets (what is new?) to the person related date (who is new?).

Examples for contents are:

- How many programs are currently online?
- Which countries have programs online?
- Which programs have been currently published/updated?
- PO/PM currently joined the community?
- Planned programs/calls currently announced?

The frequency of the newsletter is fully scale able by the user. Users will also be informed about their own actual profile status (e.g. completeness of their profiles in percentage of filled attribute fields).

### 4.3. *Digital blackboard for PM/PO*

A digital blackboard can be used to inform the community about actual contents. These could be:

- requested contacts for information exchange or joint activities,
- question about program related issues,
- related dates and events (e.g. links) of general interest.

## 5. Search functions

### 5.1. Browse

The browse function provides easy access to existing data-set information for all user levels, if a specific search target can not be defined. Important browse options are:

- Existing programs or related activities (list per name),
- Themes/topics of programs/calls (classification),
- program related policy objectives,
- Program/calls by countries (country overview),
- Actual program calls,
- a transnational programme cooperation activity indicator (see “advanced search”),
- Existing official tn-cooperation networks (cooperation clusters, e.g. ENT action groups, etc.).

### 5.2. Advanced search (by attributes)

Advanced search options open the access to data-base information according to the user level (restricted/non-restricted). The information can be retrieved by using a search query. Search query setting can be saved by registered users (search profiles) or personal profiles of interest can be applied for the search.

Sample selection criteria for the query are:

#### Program/call attributes

- ongoing or planned (request periods or dates),
- thematically framework of programmes/calls,
- program related policy objectives,
- research type (funded project types),
- budget (amount of available funding source per year),
- requirements for participation (number of partners, nature of partners),
- link to cooperation clusters (is the program/call already linked to a tn-cooperation cluster on this data base?) and transnational cooperation attributes (see below),
- planned activities (restricted information),

## **Geographical/organizational attributes**

- Countries,
- Responsible organizations.

## **Transnational cooperation attributes (Transnational programme cooperation activity indicator)**

An indicator will be generated by using a set of attributes, which represent transnational activities of a programme. The indicator gives the user an idea about the grade of openness of programmes for tn-cooperation. But the purpose of the indicator is not only to give a quick indication about the status of national programs in the field of tn-cooperation, but also introducing a motivation factor for PO/PM by showing his previous successes and by honouring steps taken in transnational cooperation.

Subjective and objective attributes are used to build the conditions for compiling the indicator. All attributes are provided to the system by PO/PM on a self-assessment basis. The information can and should be updated during the lifetime of a programme.

Conditions for subjective transnational cooperation attributes:

- The PO/PM have frequent contact to other related national programmes.
- The PO/PM has previous experiences with tn-cooperation (in this or previous programmes/activities).
- The program is looking for potential cooperation partners to start further coordinated programming / integrated programming activities.

Conditions for objective transnational cooperation attributes:

- The PM/PO related organization is/was already involved transnational cooperation funding activities with other countries
- The program is/was already involved in activities for coordinated programming / integrated programming.
- The programme is coordinating funding timeframes with other programmes/activities.
- The programme (or certain activities out of it) can fund transnational projects but financial resources are limited to resident research organisations only.
- The programme or activity is partly open for non-resident funding (conditions apply).
- The programme or activity is fully open for non-resident funding.
- The program or activity provides incentives for tn-projects.

The indicator will be compiled out of the program data-set attributes. Proposal for compiling of the activities indicator:

- “No visible indication for tn-cooperation activities” (0 of the conditions apply),
- “First foundation for tn-cooperation activities is in progress” (1-2 conditions apply),
- “Advanced activeness for tn-cooperation” (3-4 conditions apply),
- “The Programme is very active in tn-cooperation” (5 and more conditions apply).

### **5.3. Full text search**

A full-text search support query allows search over all data-set attributes. Restricted contents will only be accessible by registered users.

### **5.4. Collect (shopping cart) and compare**

Search results (programs or related activities) can be submitted to a „personal shopping cart“ by registered users for further analysis or for requesting automatically reminders on information updates.

Registered users can compare all or a selection of the program attributes of the collected program data-sets (or related activities) in the shopping cart. A matrix view allows the cross-comparison of different program architectures.

### **5.5. Meta crawler search**

A meta-crawler utility can be used to extend the search to external data bases (TRKC, ERA-Watch, NET-Watch, etc.).

## 6. Reporting functions

### 6.1. Report generator

A report generator enables registered users to generate reports by using all existing data-set attributes. The attributes can be combined and filtered before generating by most important definitions (compare advanced search).

The report results can be exported as spread-sheets (.xls/.xml). Report preferences (pre-selections) can be saved for further use.

The report generator is restricted to PO/PM only.

### 6.2. Call overview (time-windows of opportunity)

This function draws timelines of programs or related activities (open call, call for tender) for all or selected countries. The graphical overview can be used to identify common windows of opportunities in terms of timeline. Filters can be applied (this report can be generated for actual and planned activities).

### 6.3. Cooperation overview (draw networks)

This function entitles the user to generate a graphical overview on:

- what activities are linked to a specific program data-set,
- how specific program data-sets are related with activities and other transnational activities and how activities of certain countries are connect with activities of other countries (by using transnational cooperation attributes),
- program data-sets and activities of cooperation clusters.

Filters can be applied (this report can be generated for actual and planned activities).

This reporting function is restricted to PO/PM only.

## 7. Timeline and implementation Plan

Milestone	To do	Event/Dateline	Who
Draft of functional architecture and set of data-definitions	Definitions	End of January 2009	BMVIT
Pre-Feasibility test, feedback, Revises	Feedback and revises on draft definitions	February	TUEV
D 1.1A Structural specification and content definition report of the Transport research program information system	Refine definitions, prepare Deliverable	end of February, 2009	BMVIT
D 1.1A Structural specification and content definition report of the Transport research programme information system	Presentation, internal feedback, Consensus	March, 6 <sup>th</sup> , TUV, Brussels "EB12 meeting"	BMVIT
Collect external feedback	Collect feedback from participants of the user-requirements workshops, explanation of term for the users	March, 2009	BMVIT
Technical feasibility test, 1st technical implementation plan	prepare draft implementation plan	March 2009	TUEV
<b>Decision about architecture and 1<sup>st</sup> implementation plan</b>	Presentation and decision about the functional architecture, data definitions and draft of the technical implementation plan	MG Meeting, April 2nd/3rd, 2009	BMVIT, TUEV
Definition of the technical architecture		April 2009	TUEV
<b>Final architecture</b>	Presentation/decision about the final functional and technical architecture (incl. implementation plan)	May 13 – 14 <sup>th</sup> , Stavanger "2 <sup>nd</sup> HLG Meeting"	TUEV, BMVIT
Programming	"Look and feel" design and Beta Realization of the technical architecture, operator and maintenance concept	May, June, July 2009	TUEV
<b>Beta Test</b>		End of July 2009	TUEV, BMVIT
Updates, revises		August 2009	TUEV

Pre-Filling with existing data according geographical regions	Use already collected data by ENT, TRKC, ERA-Watch	August to mid of September 2009	BMVIT,T UEV,TET
Pre-Test and data update with friendly users	Feedback for technical fine-tuning	End of September 2009	TUEV, BMVIT, ?
Technical Fine-tuning	Round up the system and provide user rights for extended user circle	Mid of October 2009	TUEV
Data/update and amendment of pre-filled data (extended user circle)	Update / amendment with real/actual data collected in an extended circle	end of November 2009	PM/PO of ENT
Presentation of the data-base and contents		November 5 - 6 <sup>th</sup> , location to be decided "MG 14 meeting	BMVIT, TUEV
<b>1<sup>st</sup> public release of the data-base</b>		<b>mid of November 2009</b>	
D 1.1B Overview on national transport related research and RTD programmes in the European member states (Month 18 and 25 - task 1.1).	prepare deliverable	End of Nov. 2009	BMVIT

## 8. Annex: Data-base definitions

### 8.1. General information and description of the data structure

The functional definitions of this document have been refined by data-base field definitions and attributes (.xls table) within a hierarchical structure. The definitions provide information about

- what kind of data is required (source and characteristics) and how the data is interrelated,
- how this data is related with the functional definitions of this document.

Every definition field is a unique identity (labelled with unique ID)<sup>6</sup>. IDs with zero digits represent headlines. Headlines are related to the functional definitions in this report.

**Following columns (data-base attributes) have been used for field definitions:**

#### **ID**

Unique identifier of the attribute

#### **notation**

Name of the field within the data-base system

#### **label**

Name of the field outside the data-base system (user-view)

#### **content**

Content of attributes of the data-base field

#### **purpose**

(Additional) description of the data-base field purpose

#### **type**

Definition of the type of data-base field content data the user is allowed to enter:

- checkbox: Select one or more items
- select: Select one or more items (Pull-down menu)
- select(or): Select one item (Pull-down menu)
- text: all data strings allowed
- number: only numbers allowed

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<sup>6</sup> In some cases interrelated fields have been combined to one data-base field definition.

- date: dates can be entered in a pre-defined format (a calendar tool can be used)
- email: enter email address
- link: enter web link
- yes/no: decision item

**mandatory**

Indicates, if this field has to be mandatorily filled by the user.

**public**

Indicates, if this field (and the field attributes) are visible for other users.

**conditions/comments**

Additional conditions and comments related to this field.

**pre-filling**

Indicates if the field data can at least partly be pre-filled (partly) or not. Collected data of task 1.2 and data from TRKC/ERA-WATCH will be used for the pre-filling.

**reference2data**

Indicates important references to other field definitions.

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## **8.2. Definition list**

See data-definition\_v4.xls

The definition list will be further developed by drafting the technical architecture.

## Abbreviations

ACARE	Advisory Council for Aeronautics Research in Europe
ACMARE	Advisory Council on Maritime research and Development
AG	Action Group (of the ENT project)
AGL	Action Group leader (of the ENT project)
AGM	Action Group Member (of the ENT project)
AINO	R&D program on real time transport information. AINO (2004-2007) is a continuation of the research and development program activities on ITS (Intelligent Transport Systems) of the Ministry of Transport and Communications in Finland.
CEPI	The European Co-ordination of Independent Producers
COST	European Cooperation in the field of Scientific and Technical Research
DEL	Deliverable
DEUFRAKO	German-French Cooperation in Traffic Research
e.g.	for example
EB	Executive Board (of the ENT project)
EC	European Commission
ECCREDI	The European Council for Construction Research, Development and Innovation
EFPIA	The European Federation of Pharmaceutical Industries and Associations
EFTA	European Free Trade Association
ENT	ERA-NET TRANSPORT
ENTx	Thematic Action Group of ENT
Eoi	Expression of interest
EPTR	European Platform for Cooperation and Coordination in Transport Research
ERA	European research area
ERA	European research area
ERA-Watch	ERAWATCH research inventory service of the Joint Research Centre/IPTS
ERC	European Research Council
ERRAC	The European Rail Research Advisory Council
ERTRAC	European Road Transport Research Advisory Council
ESF	European Science Foundation
EURATEX	The European Apparel and Textile Organisation
EUREKA	EUREKA is a pan-European network for market-oriented, industrial R&D (an inter-governmental initiative supporting European innovation)
EUROCORES	EUROpean Science Foundation COllaborative RESearch
EURYI	European Young Investigator Award
EWS	Explorative Workshop
FP	The EU's Framework Programme for Research and Technological Development
ICT	Innovation and communication technologies
IEA	International Energy Agency

IPR	Intellectual Property Rights
IPTS	Institute for Prospective Technological Studies, one of the seven scientific institutes of the European Commission's Joint Research Centre
IV2S+	Austrian transport technology impulse program Intelligent Transport Systems and Services Plus (Impulsprogramm Intelligente Verkehrssysteme und Services Plus).
KISS	Acronym for "keep it small and simple"
LoC	Levels of Cooperation (identified for ENT AGs)
LoI	letter of intent
MG	Management Group
MG	Management Group (of the ENT project)
MoU	Memorandum of understanding
NC	Nordic Council
NetWatch	Platform of the Joint Research Centre/IPTS for mutual learning among ERA-NETs
NMR	Nordic Council of Ministers
NTF	Nordic Transport Forum
OMC	open method of coordination
PM	Programme Manager – Person responsible for operative aspects of a research funding programme (operative level)
PO	Programme Owner – Content and budgetary responsible person for a research funding programme (strategically level)
PREDIT	Programme de recherche et d'innovation dans les transports terrestres (French program of research, experimentation and innovation in land transport)
R&D	Research and development
R&D&D	Research and development and demonstration
SRA	Strategic research agenda
ST	Support Team
STI	Science Technology and Innovation (Policy)
tn-	Trans-national
TP	Technology Platform
Transguide	Swedish Transport Research Portal
TRKC	Transport Research Knowledge Centre
TWS	Targeted Workshop
WP	Work package (+number within the project)
WPL	Work package leader (of the ENT project)

## Participants of the user requirements workshops

### **1<sup>st</sup> user requirements workshop for designing the "Transport Research Funding Programme and Community Information System", Vienna, 14th /15th July 2008**

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