



Coordination Action for the European
Strategic Agenda of Research



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CAESAR – Publishable Final Activity Report

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CAESAR – Publishable Final Activity Report

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1. INTRODUCTION

This report represents the publishable final activity report of the CAESAR projects and summarize the most important activities carried out within the different work packages. It covers the whole duration of the CAESAR project (30 months, 01 January 2005 – 30 June 2007).

The report is structured as follows:

- Section 2 presents the general project objectives;
- Section 3 describes the main aspects of the work performed;
- Section 4 presents the main project results achieved during the full duration of the project;
- Section 5 presents the conclusion.



2. GENERAL PROJECT OBJECTIVES

Accordingly with the Annex I to the contract, CAESAR aims at fostering the creation of a new and common vision of intermodal research in Europe, by achieving the following objectives:

- to establish Research and Development requirements in conjunction with business scenarios;
- to improve the implementation of intermodal Research results by the relevant industry;
- to focus Research programmes and their implementation (at EU and national levels) around a joint strategy.

To achieve these objectives, CAESAR focused the attention on the real industry needs, the relevant business scenario by identifying and focusing the activities on 5 mainstreams for innovations.

At the proposal stage, a preliminary analysis has shown that the most important are:

- logistics;
- interoperability between modes;
- security;
- socio economic issues;
- education and training.

2.1 CONSORTIUM COMPOSITION

The Contractors involved in the CAESAR project represents the link to key players in the intermodal industry. Without such a link and acquaintance with the intermodal industry it would be extremely difficult to carry on the action to establish of the EIRAC.

The partnership – four of whom are networks/associations - covers geographically and in terms of industries the full span of intermodal actors.

The composition of the CAESAR consortium is presented in Table 1.



Partner No	Partner Name (Short Name)	Country	WP
1	Consorzio per la Ricerca e lo Sviluppo di Tecnologie per il Trasporto Innovativo – Consorzio TRAIN (TRAIN)	Italy	WP1, WP2, WP3, WP5
2	Alliance of Maritime Regional Interests in Europe (AMRIE)	Belgium	WP2, WP3, WP5
3	Connekt (CONNEKT)	Netherlands	WP2, WP3, WP4, WP5
4	Mettle Groupe (METTLE)	France	WP2, WP3, WP4, WP5
5	European Intermodal Association (EIA)	Belgium	WP2, WP3, WP5

Table 1: CAESAR consortium

2.2 PROJECT STRUCTURE

CAESAR project was organised into **4 main** Workpackages (WP), coordinated by a proper Project Management Work Package. The Coordinated Action lasted **30 months**.

Each single Workpackage was paced by different **milestones**, to guarantee the check of the work completion of each activity and task, and to synchronise the progress among the different WP.

CAESAR Work Packages were:

- WP1: Project Management;
- WP2: Establishment of the Intermodal Research Advisory Council;
- WP3: Setting of Strategic Research Agenda;
- WP4: Implementation Strategy;
- WP5: Communication and Dissemination Strategy.

WP1 (Management Activities), WP3 (Setting the Strategic Research Agenda), and WP 5 (Communication and Dissemination Strategy) lasted the whole of CAESAR lifetime, accompanying the coordination action all along its path and development. **WP2 (Establishment of the EIRAC)**, has been completed after the first 12 months, to set up the Plenary and sign the Terms



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of Reference (first 4 months), and to establish the Mirror Group of National Representatives (until month 12). The **implementation strategy (WP4)** to make the content of the Strategic Intermodal Research Agenda living will last since month 4 until the end of the CA.



3. MAIN ASPECTS OF THE WORK

CAESAR consortium has performed the following main activities:

- establishment of EIRAC, including:
 - identification of the potential EIRAC members (subject to pre-consultation with the Commission),
 - ensuring of the commitment from the invited representatives,
 - establishment of the Plenary,
 - establishment of the Support Group;
- provision of secretariat support and facilitation of the work of the EIRAC;
- preparation of the EIRAC Terms of Reference;
- stimulation of the discussion between the CAESAR partners and the EIRAC members concerning the content of the Terms of Reference (ToR) and the Strategic Intermodal Research Agenda (SIRA);
- supporting the preparation of the Strategic Intermodal Research Agenda (SIRA) 2020;
- organisation and structuring of the five research pillars of EIRAC. The five research pillars identified and established are: Interoperability between Modes, Logistics, Security, Education and Training, Socio-economic;
- organisation and holding of four Plenary meetings, with the following aims:
 - issuing and signature of the Terms of Reference (ToR) - first plenary,
 - publicly releasing of the Strategic Intermodal Research Agenda (SIRA) - second plenary,
 - approval of the EIRAC implementation and establishment of the Mirror Group - third Plenary;
 - presentation of research topics to be submitted to the EC and introduction of EIRAC 2008-2010 activities and structure – fourth plenary.
- production of the minutes of the all EIRAC meetings;
- preparation of a research baseline for the EIRAC, i.e., a survey of projects/studies/initiatives undertaken in the past 10 years;
- establishment and updating of a web site for EIRAC and for CAESAR;
- dissemination of information on the objectives and intentions of the EIRAC;



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-
- definition and publication of the EIRAC Implementation Plan, including the organisation of all relevant preparatory workshops;
 - organisation and execution of the cooperation with transport oriented European Technology Platforms (i.e., ERRAC, ERTRAC, ACARE, Waterborne TP);
 - participation o the work of the Transport Advisory Group.



4. MAIN PROJECT RESULTS

At the end of the project lifetime, the following results have been achieved:

- the establishment of EIRAC as a recognised advisory body aiming at determining the vision, scope and content for a Strategic Intermodal Research Agenda (SIRA) for Intermodal Transport in Europe;
- the release of the first edition of the SIRA and the associated 2020 vision;
- the release of the Implementation Plan for materialising the 2020 Vision of Intermodal Transport;
- appointment of the Champions who have been voluntarily safeguarding well-defined topics.

The SIRA has been set in the context of the current economic, societal and environmental challenges facing Europe. Therefore, it cannot be a rigid long-term agenda; updates and new releases are needed, taking into account the evolving context. Moreover, some selected aspects may need to be analysed more in depth, by considering factors having strong influences on the chosen priorities.

The EIRAC's Strategic Intermodal Research Agenda 2020, the EIRAC's Implementation Plan, and any other document published by the EIRAC (presentations, press releases, etc.), are available on the EIRAC website, at the URL www.eirac.net.

4.1 THE EUROPEAN INTERMODAL RESEARCH ADVISORY COUNCIL (EIRAC)

The establishment of EIRAC - European Intermodal Research Advisory Council – represents the main objective of this initiative, with the aim of bringing together the stakeholders of the Intermodal sector. The EIRAC has been established at the end of month 4 to prepare the Strategic Research Agenda of Intermodal Transport. EIRAC continues to exist after the project completion.

The EIRAC is composed of the following entities:

- the Plenary,
- the Support group,
- the Mirror group,
- the Secretariat.



4.1.1 The Plenary

The **Plenary** is an assembly bringing together and involving personally authoritative individuals with decision-making capability, to contribute with significant advice and to influence the stakeholders in their planning of research and technology programmes in the intermodal sector.

The 57 members of EIRAC are listed in Table 2. They are representatives of stakeholders in the European Intermodal Community and are drawn from the following industries: Intermodal Operators, Private Terminal Operators, Freight Integrators / Logistics, Freight Villages, Trucking / Hauling Companies, Railway Undertakings, Shipowners, Inland Waterborne Operators, Port Authorities, Shipyards, Handling equipment Manufacturers, Rolling stock and loading unit Suppliers, ICT Suppliers, Academics and other invited organisations.

The original list of participants of the EIRAC is as follows.

EIRAC representative	Company
Mr Wando Boevé (Chairman)	Europe Container Terminals B.V
Benoît Passard (Vice Chairman)	KALMAR Industries
Livio Ambrogio	Ambrogio Trasporti
Cumhur Atilgan	RODER
Sergio Barbarino	Procter & Gamble
Arjan Barto	PRO LOG B.V.
Mircea Baniás	N.C. Maritime Ports Administration S.A. Constantza
Peter Barham	Associated British Ports Holdings PLC
Eberhard Blümel	FRAUNHOFER Institute
Karl Brewi	MULTINAUT Donalogistik GmbH
Fabio Capocaccia	Rete Autostrade Mediterranee S.p.A.
Leonardo Carbone	GRIMALDI LOGISTICA ESPANA
Giuseppe Casini	TRENITALIA S.p.A.
Aldo Croci	HUPAC INTERMODAL (Cesar Informative Services)
Juan Antonio Delgado	AUTORIDAD PORTUARIA DE VALENCIA
Jean Loius Deyris	
Frank Erschkat	STINNES AG
Walter Flöck	ARGE KORRIDOR X
Gilberto Galloni	EUROPLATFORMS
Klemens Grosse-Vehne	KÖGEL Fahrzeugwerke GmbH
Srecko Krec	Railway Design Bureau Ltd
Otmar Halfmann	Regionalverkehr Mittelland AG
Albert Hartmann	TRINITY RAIL GmbH
Franz-Josef Hemker	WECON GmbH



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Mr Wando Boevé (Chairman)	Europe Container Terminals B.V
Benoît Passard (Vice Chairman)	KALMAR Industries
Cor Hoenders	Rail Service Center Rotterdam B.V.
Andreas Janetzko	UPS Supply Chain Solutions
Frans Jol	GALLOZZI GROUP
Frank Kho	Hesse Noord Natie (PSA)
Johan Korteweg	HOYER
Horst Kubek	LKW Walter Internationale Organisation AG
Piet Lamon	Intercontainer-Interfrigo SA
Christophe Leclerc	Port Autonome de Nantes Saint-Nazaire
Dimitrios Makris	THESSALONIKI PORT AUTHORITY S.A.
Karlheinz Martin	DB SYSTEMS
Luigi Mor	CETENA S.p.A
Wolfgang Müller	Deutsche Umschlag Gesellschaft Schiene-Straße (DUSS)
Udo Niessen	INFORM GmbH
Ronald Poort	Jan De Rijk Logistics
Alain Poupart	SNCF
Wout Pronk	Geest North Sea Line
Albert Richey	RAILION DEUTSCHLAND AG
Armin Riedl	KOMBIVERKEHR GK
Gerry Robinson	Capital Intermodal
Ton Roos	Centraal Bureau voor Rijn en Binnenvaart (CBRB)
Franck Roth	COMBIPASS
Walter Schulze-Freyberg	POLZUG GmbH
Manfred Seitz	VIA DONAU
Heiko Sennewald	EWALS CARGO CARE B.V.
Peter Sonnabend	Deutsche Post AG (DHL)
Robert Spierings	European Bulls Rail Freight Alliance
Simon Spoormaker	SMDG
Dirk Stahl	BLS Cargo AG
Lothar Thoma	KÜHNE & NAGEL
Tomas Vanek	Maersk Sealand Intermodal s.r.o.
Maximilian von Haller	TRANSFRACHT
Andrew Webster	Thomas Miller & Co
Johan Woxenius	CHALMERS University
Joachim Zimmermann	Bayerische Landeshäfen

Table 2: Original List of EIRAC members



Plenary members have been organised over 5 Working Groups (WG), headed by WG leaders (2 per WG), one for each pillar, preliminarily identified as follows¹:

- logistics;
- interoperability between modes;
- security;
- socio economic issues;
- education and training.

4.1.2 Support Group

The **Support Group (SG)** is a subset of the Plenary appointed by the Plenary itself.

The SG is limited to 10 people, i.e., the 2 leaders of each WG covering the five pillars for research selected by the plenary. The Support Group is committed to draft and amend the Strategic Intermodal Research Agenda, gathering the decision of the Plenary and, as far as the pillars for research are concerned, of each WG.

4.1.3 Mirror Group

The **Mirror Group** is composed of one representative per each Member State. The representative of the 25-EU Member States have been invited through their Embassies.

The role of the Mirror Group has been:

- to ensure that there has been coordination of actions throughout the EU;
- to receive national feedback on the activities and results of EIRAC;
- to ensure that the promotion activities of the CA was promulgated in each of the Member States
- to debate the Strategic Intermodal Research Agenda in the light of their national RTD and investment programs.

4.1.4 The Secretariat

The CAESAR consortium has provided the **Secretariat** services to the EIRAC. Other external partners have supported this initiative participating into the Catalyst Group, to help especially during the creation of the Council and for communication and dissemination purposes.

4.2 THE EIRAC TERMS OF REFERENCE

The Terms of Reference rule the operation and decision making process of the Advisory Council. They will include the scope, the mission, the process of

¹ Subject to change accordingly with the Plenary decisions



processing and maintaining the Strategic Research Agenda. Furthermore, membership governance, the role of observers, operation, provisional timetable are included in the Terms of Reference. The Terms of Reference will be endorsed by the Plenary at the EIRAC establishment (month 4 of the CA).

4.3 THE STRATEGIC INTERMODAL RESEARCH AGENDA

The Strategic Intermodal Research Agenda (SIRA) is the list of needs for future research and a compendium of the European Joint Research Strategy developed in conjunction with a business scenario, by considering the review of past research programs and projects on intermodality. The contents of the SIRA has been determined by key industrial figures, i.e., the EIRAC Members. On the basis of the prioritised mainstreams of innovation targeted to specific industrial and business objectives set by the stakeholders (i.e., shippers, carriers, manufacturers), such as making intermodal freight transport capable to deal with more than doubled freight volumes by 2020², or even doubling its market share by the same temporal horizon.

4.4 THE EIRAC IMPLEMENTATION PLAN

The EIRAC Implementation Plan describes the European intermodal industry's programme for innovation and change to meet the freight transport challenges of the future. The objectives are to make Europe more competitive in the global economy, to be able to cope with increasing freight volumes over the coming decades, and to achieve more sustainable cargo movement along the European transport system. A readiness to break away from traditional practices and to create new ways of doing business together is at the heart of this Plan.

The EIRAC Implementation Plan goes beyond a mere research agenda as it also acknowledges the need to pursue changes that are not dependent on further research. It tackles the socio-economic issues, i.e. the management of change at operational and at management levels, and it deals with the issue of education and training to make the intermodal transport sector a more dynamic and attractive one in which to work.

The Plan provides the basis on which the intermodal transport industry, national transport authorities, and European authorities may act together to implement the Vision and the Strategic Intermodal Research Agenda (SIRA) as formulated by the European Intermodal Research Advisory Council (EIRAC) in December 2005.

² As indicated, for instance, by the orders of new sea-vessels, which are claimed to double the world fleet size by 2010, already.



5. CONCLUSIONS

This report contains the most important activities performed and the main achievements accomplished during the CAESAR lifetime.