

General meeting of Centre of Advanced Technologies
AERONET " AVIATION VALLEY"



FUSETRA

Future Seaplane Traffic

Transport Technologies for the Future



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FUSETRA - Future Seaplane Traffic Transport Technologies for the Future

GENERAL INFORMATION

Project number 234052

Call (part) identifier FP7-AAT-2008-RTD-1

Starting date 01/12/2009

Duration in months 18

***Activity code – Improving passenger choice in air transportation
with the incorporation of additional and new vehicles***



FUSETRA - Future Seaplane Traffic



FUSETRA Participants

Participant

Country

Straeter Consulting (Coordinator)

Germany

Harbour Air Malta

Malta



Dornier Technologie Aviation

Germany



Technische Universität München

Germany



Rzeszow University of Technology

Poland



Glasgow University

Great Britain





Idea and Concept

The annual air traffic growth rate of 5% and higher was nearly constant over the last decade and IATA forecasts the same or even higher rate for the coming years. As a consequence the capacity overload of current airports and the demand for point-to-point connections even to destinations away from existing airports has considerably grown.

Looking to the huge ocean and lake shores and the huge number of islands in Europe there is a great potential for an international air traffic system using seaplanes and amphibians. With these vehicles new traffic routes can be developed with the advantage of short flights and the use of natural landing strips.

The scheduled commuter seaplane or amphibian operations are only available in a very few locations in Europe, at present.

Operators and entrepreneurs interested in starting new seaplane businesses in Europe report about missing modern airplanes, missing international standards and rules and missing expertise of various stakeholders.



Main objective

To demonstrate the needs and to quantify the potential of seaplane traffic business development, and to propose recommendations for the introduction of new seaplane/amphibian transportation system, in the context of the European Research Area like the improvement of passenger's/customer's choice for better time and cost efficient travel and transport.

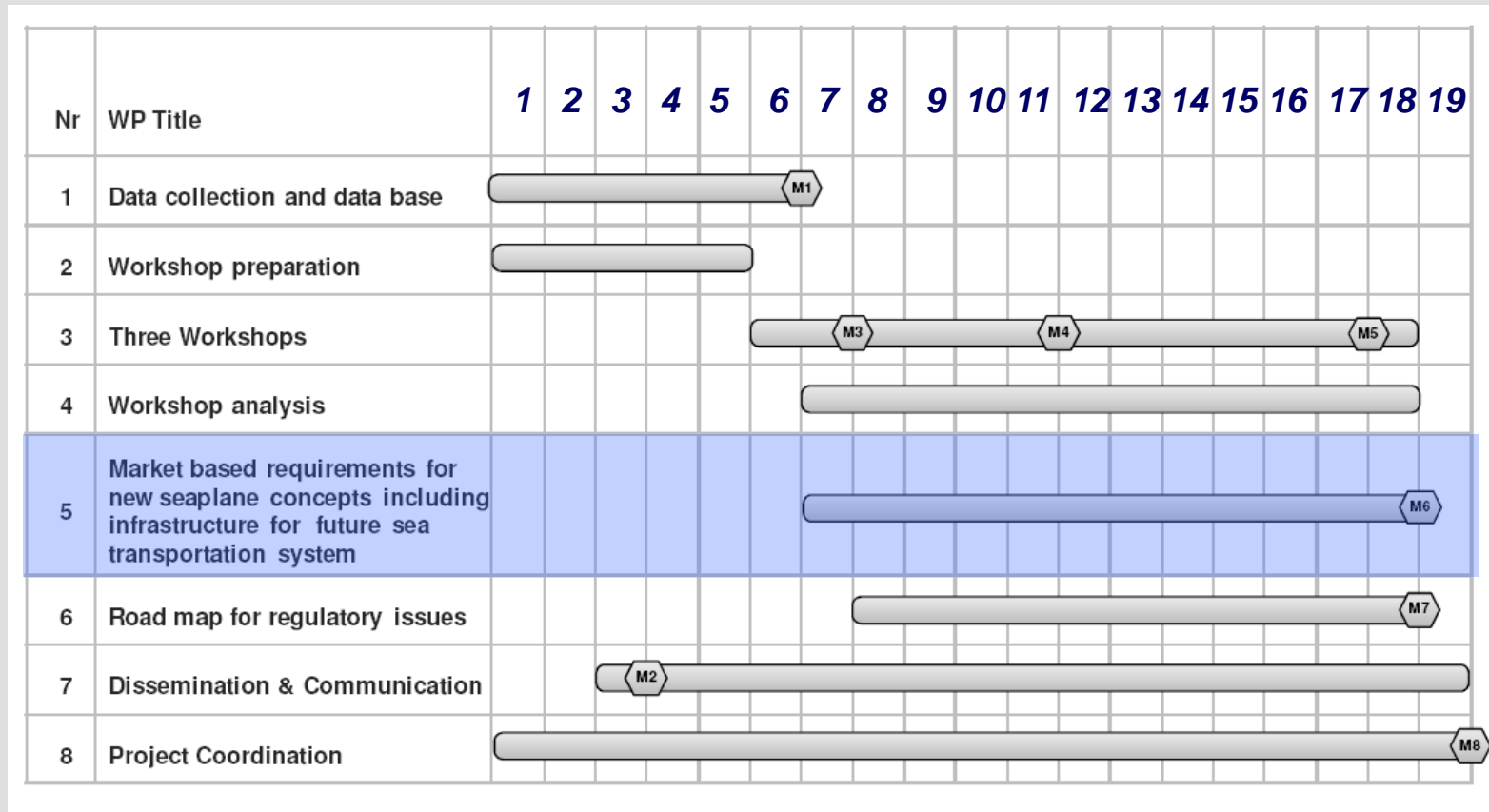


Objectives

- *Identification of possibilities to improve seamless travelling by implementation of seaplane transportation systems within the European air- & landside transportation infrastructure (connectivity of possible seaplane harbours to other means of transportation)*
- *Development of solutions which are ready for implementation by ensuring passenger acceptance (Evidence of seamless travel, flight time reduction, reduced operational cost, reduced travel charges, operational safety, better access to international air traffic)*
- *Identification of reduced environmental impact of air transport by developing solutions for point-to-point seaplane operations (De-congestion of major airports, seaplane routes over uninhabited areas).*
- *Propositions for enabling uniform implementation (EC wide) of the chosen seaplane operational system (Regulatory issues, water landing fields, etc).*
- *Improvement of the accessibility of regions by serving business as well as private mobility by new seaplane/amphibian connection*
- *Identification of number of seaplanes or amphibians needed to replace existing aeroplanes, and needed to satisfy the potential new demand.*
- *Improvement of trans-national co-operation by organising international workshops*



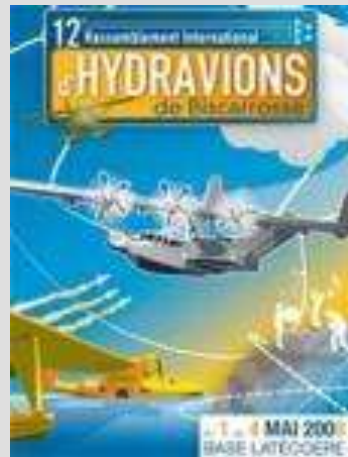
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FUSETRA timeline



***1st Workshop – Atlantic
14 May 2010
during
Hydravions, Biscarrosse 13 – 15 May 2010***





***2nd Workshop – Mediterranean
September 2010
during
Malta Int'l Airshow 2010, September 25-26
at the Malta International Airport***





***3rd Workshop – Baltic
2011
?***



FUSETRA - Future Seaplane Traffic



Web page: www.fusetra.eu

The screenshot shows the Fusetra website interface. At the top, there is a navigation bar with the Fusetra logo and the text "future seaplane traffic". Below this, the main content area is divided into several sections:

- Main Menu:** A vertical list of links including Home, Ideas and Concept, Objectives, Participants, and Results.
- Login Form:** A section with fields for Username and Password, and a "Login" button. It also includes a "Remember Me" checkbox and links for "Forgot your password?" and "Forgot your username?".
- FUSETRA - Future Seaplane Traffic:** The main heading for the project page, dated Saturday, 10 June 2008 07:57. It includes a sub-heading "The Project" and a paragraph describing the project's goal: "FUSETRA is a European Union supported project which investigates the current seaplane and amphibious aircraft transport system in order to provide the basis for future improvements. The aim is to evaluate strengths and weaknesses and to elaborate a set of concepts and requirements for a future seaplane air transportation system for the improvement of passenger choice in air transportation including the technical requirements for new vehicles." Below this text are three small images showing seaplanes in operation.
- Idea and Concept:** A section dated Wednesday, 10 June 2008 12:24. It discusses the annual air traffic growth rate and the need for new traffic routes, mentioning the use of natural landing sites and amphibious point-to-point connections.
- Objectives:** A section dated Monday, 10 June 2008 12:49. It lists the general objective of the project and a detailed list of specific objectives, such as identifying possibilities for improved seamless traveling, developing solutions for passenger acceptance, and identifying reduced environmental impact.
- Participants:** A section on the right side of the page, featuring logos for Harbourair, Dornier Technologie, TUM, and other partners.



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Thank You for your attention