General meeting of Centre of Advanced Technologies

AERONET “ AVIATION VALLEY”

FUSETRA

Future Seaplane Traffic

Transport Technologies for the Future

Andrzej MAJKA

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 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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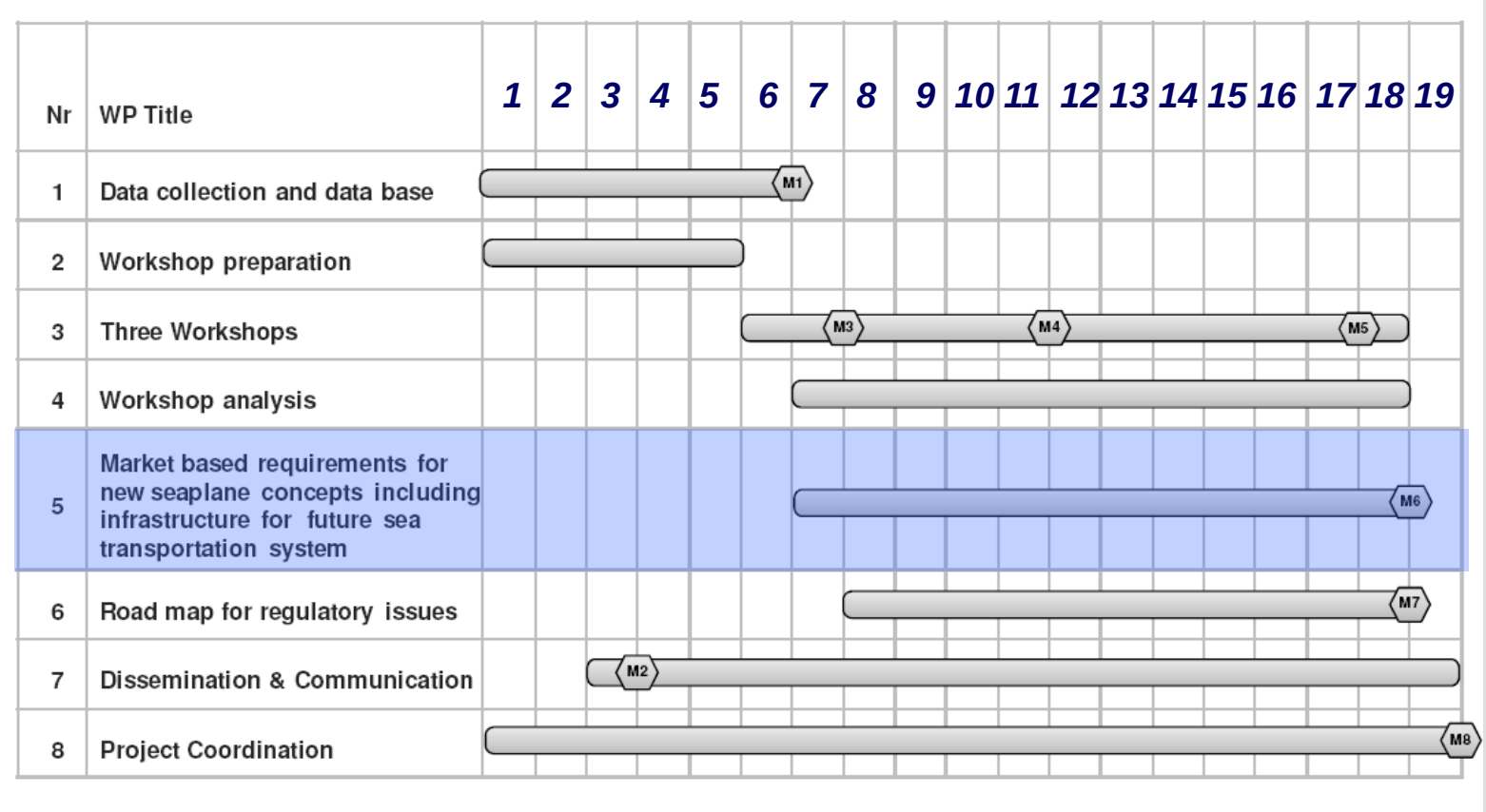

FUSETRA timeline

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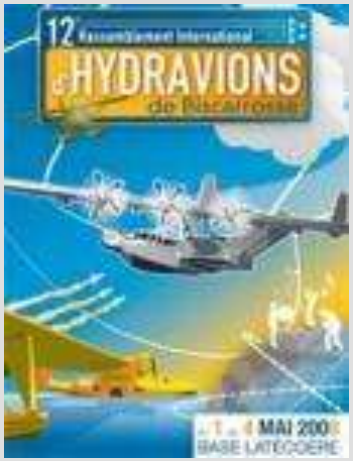
1st Workshop – Atlantic

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

3td Workshop – Baltic

2011

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Web page: www.fusetra.eu

Contact:

- Department of Aircrafts and Aircraft Engines
  Faculty of Mechanical Engineering and Aeronautics
  Rzeszow University of Technology
- Address:
  ul. Powstancow Warszawy 8
  35-959 Rzeszow, POLAND
- phone: +48 17 865 1604
  mobile: +48 602 441 977
- web: www.prz.edu.pl/ksisl
- e-mail: andemajk@prz.edu.pl


Thank You for your attention