



Università  
Ca'Foscari  
Venezia

**TITOLO PROGETTO:**

**4FUN - Demonstration and exploitation of most promising prototypes and tool derived from European research activities**

**PROGRAMMA DI FINANZIAMENTO: 7 FP - COOPERATION**

**RESPONSABILE SCIENTIFICO : Prof. Andrea Critto**

**STRUTTURA (Dipartimento/Centro) : DIPARTIMENTO DI SCIENZE AMBIENTALI, INFORMATICA E STATISTICA**

**DATI FINANZIARI:**

| Costo Complessivo del Progetto | Contributo Europeo Assegnato |
|--------------------------------|------------------------------|
| € 3 253 027                    | € 2 278 101                  |

**SINTESI PROGETTO:**

The assessment of risks to human health from chemicals is of major concern for policy and industry and ultimately benefits all citizens. In this process, exposure assessment is generally considered to be the weakest point, as currently available tools show major flaws: (a) lack of integrated approach for assessment of combined stressors (i.e. a number of potential pollutants); (b) widespread use of worst-case scenarios leading to over-conservative results; (c) lack of uncertainty/sensitivity tools that allow identifying the important exposure drivers. To overcome these drawbacks, the FP6 project 2-FUN produced prototype software containing a library of models for exposure assessment, coupling environmental multimedia and pharmacokinetic models. The objective of the 4FUN project is to further improve and standardise the 2-FUN tool and guarantee its long term technical and economic viability. Stakeholder requirements will be identified and an analysis of the strengths, weaknesses, opportunities and threats (SWOT) of existing exposure assessment tools (including 2-FUN) will be conducted. The 2-FUN tool will be subject to a rigorous standardisation which includes verification, benchmarking, documentation and demonstration. To demonstrate the reliability of modelling estimations and the feasibility of building complex realistic scenarios, case studies based on actual datasets will be performed. Improved and standardised 2-FUN software will be delivered, together with supporting documentation and training courses. Finally, based on detailed market research a sustainable business model will be developed. Improved exposure assessment due to the project will (a) reinforce competitiveness by avoiding overregulation; (b) prevent excessive adverse human health effects due to underregulation; (c) contribute to the promotion of sustainable products/technologies; (d) lead to homogeneous integration of exposure health concerns across the policy spectrum at the Community level.

| Inizio Attività (previsione) | Fine Attività (previsione) |
|------------------------------|----------------------------|
| 01/10/2012                   | 30/09/2015                 |

## **PARTENARIATO**

|    |  |          |              |
|----|--|----------|--------------|
| 1  | AEIFORIA SRL   | Italia   | Coordinatore |
| 2  | AUSTRIAN STANDARDS INSTITUTE<br>OSTERREICHISCHES NORMUNGSINSTITUT  | Austria  | Partner      |
| 3  | ELECTRICITE DE FRANCE S.A.   | Francia  | Partner      |
| 4  | EURELATIONS AG   | Svizzera | Partner      |
| 5  | FACILIA AB   | Svezia   | Partner      |
| 6  | AGENCIA ESTATAL CONSEJO SUPERIOR DE<br>INVESTIGACIONES CIENTIFICAS | Spagna   | Partner      |
| 7  | BEARINGPOINT SWITZERLAND AG  | Svizzera | Partner      |
| 8  | CONSORZIO VENEZIA RICERCHE   | Italia   | Partner      |
| 9  | GRUPA ZA RAZVOJ EKOLOSKE SVESTI - GRES<br>ASSOCIATION              | Serbia   | Partner      |
| 10 | VLAAMSE INSTELLING VOOR TECHNOLOGISCH<br>ONDERZOEK N.V.            | Belgio   | Partner      |
| 11 | ARCHE CVBA   | Belgio   | Partner      |
| 12 | INSTITUT NATIONAL DE L ENVIRONNEMENT ET DES<br>RISQUES INERIS      | Francia  | Partner      |
| 13 | ENVIRESEARCH LTD   | UK       | Partner      |
| 14 | UNIVERSITA CATTOLICA DEL SACRO CUORE                               | Italia   | Partner      |

**SITO INTERNET:** <http://www.aeiforia.it/>