

LIFE Project Acronym and Number  
**ANTARES**  
**LIFE08 ENV/IT/000435**

## **Deliverable Report**

Deliverable Name and Number  
**Deliverable 10**

### **List and description of the dissemination activities**

Deliverable Date  
31/12/2010, updated on 1/10/2011

#### Deliverable Data

<b>Associated action</b>	Action 8: Communication and dissemination initiatives
<b>Beneficiary Responsible</b>	Federchimica
<b>Monitoring</b>	IRFMN - Dr. Chiara Milan, Dr Alessandra Roncaglioni, Dr Emilio Benfenati.



## 2010

### Seminars for the European regulatory bodies:

- June 28, 2010, Helsinki, Finland, **Meeting with ECHA**. Participation: E. Benfenati, A. Roncaglioni, R. Knauf, G. Gini, F. Lemke.
- June 29, 2010, Helsinki, Finland, **Discussion at ECHA about ANTARES, with plenary talk**. Participation: E. Benfenati, with the talk “Towards a safer and more transparent use of QSAR models for toxicity prediction”.
- September 23, 2010, Helsinki, Finland, **Meeting at ECHA, discussion about possible collaboration for joint activities on read-across**. Participation: E. Benfenati.
- October 27, 2010, Parma, Italy. **Meeting with EFSA, and presentation of the project ANTARES**. Participation: E. Benfenati, A. Roncaglioni, G. Gini.

### International events' participation:

- May 30, 2010, Potsdam, Germany, **OpenTox Workshop “Integrating Predictive Toxicology Resources and Applications”**. Participation: E. Benfenati, with the talk “Perspective on infrastructure requirements for chemistry research in predictive toxicology”.
- May 23-27, 2010, Seville, Spain. **SETAC Europe 20th Annual Meeting**. Participation: E. Benfenati, with the poster “Use of in-silico models to estimate carcinogenicity for pesticides”.
- May 24-28, 2010, Montreal, Canada, **14th International Workshop on QSARs in Environmental and Health Sciences**. Participation: A. Roncaglioni, with the poster “Comparison and use of QSAR software to estimate Carcinogenicity”.
- November 26, 2010, Milan, Italy. **Workshop on “Toxicity Testing in the 21st Century and Alternative Methods”**. Participation: E. Benfenati, with the talk “How reliable are in silico methods for toxicity prediction?”.

### Didactic courses and initiatives:

- January 14, 2010, Istituto Mario Negri, Milan, Italy. **Lesson on QSAR models, within the Master Course in Risk Assessment and Risk Analysis**. Participation: E. Benfenati.



### Events towards industry:

- February 9, 2010, Istituto Mario Negri, Milan, Italy. **Federchimica Course on QSAR methods.** Participation: E. Benfenati.
- February 24, 2010, Milan, Italy. **Workshop “The LRI Long Range Research Initiative”.** Participation: E. Benfenati, with the talk “New development in predictive computational models for toxicity of chemicals”.
- May 11, 2010, Istituto Mario Negri, Milan, Italy. **Federchimica Course on QSAR methods.** Participation: A. Roncaglioni.
- June 16-17, 2010, Stresa, Italy. **Workshop “Integrating New Advances in Exposure Science and Toxicity Testing: Next Steps”.** Participation: E. Benfenati, R. Knauf, with talks with regulators and industry.
- November 17-18, 2010, Brussels, Belgium. **Cefic-LRI 12th Annual Workshop on “Reduction of uncertainty Enabling Decision Making”.** Participation: E. Benfenati, with the talk “Predictive models and their appropriate use within the applicability domain”.
- December 15 2010, Milan, Italy. **Workshop “Prepararsi al 2011: come realizzare attività di R&S e servizi professionali, insieme al Centro Reach”.** Participation: E. Benfenati, with the talk: “Il progetto europeo ANTARES”.
- December 15 2010, Istituto Mario Negri, Milan, Italy. **Federchimica Course on “Metodi alternativi alla sperimentazione animale in tossicologia”.** Participation: A. Roncaglioni.

### Workshops and seminars:

- October 1, 2010, Lana (Bolzano), Italy. **Workshop “La salubrità ambientale: nuovi scenari scientifici e nuovi adempimenti alla luce della regolamentazione REACH”.** Participation: E. Benfenati, with the talk “La regolamentazione REACH e l’uso dei modelli predittivi per la tossicità”.

### Meetings with national regulatory bodies:

- March 8, 2010, Ministry of Economic Development, Rome, Italy. **Meeting by E. Benfenati with Carlo Zaghi (Italian Ministry of the Environment) and Franco De Giglio (Italian Ministry of Economic Development).**



- *March 8, 2010, Ministry of Health, Rome, Italy. Meeting by E. Benfenati with Pietro Pistolese (Italian Ministry of the Environment).*
- *July 23, 2010, Rome, Italy. Comitato Tecnico di Coordinamento (CTT) per il REACH. Participation: E. Benfenati, with a presentation of the results of ANTARES for the Action 1.*
- *November 23, 2010, Ministry of Economic Development, Rome, Italy. Meeting by E. Benfenati with Antonello Lapalorcia (Deputy Chair of the Management Board of ECHA), Pietro Pistolese (Ministry of Health) and Carlo Zaghi (Ministry of Health).*
- *December 13, 2010, Istituto Superiore per la Protezione e la Ricerca Ambientale (ISPRA), Rome, Italy. Workshop on “Le attività di ricerca ISPRA nell’ambito del regolamento REACH”. Participation: A. Roncaglioni, with the talk “I metodi di non testing per la stima delle proprietà (eco)tossicologiche”.*

## 2011

### Seminars for the European regulatory bodies:

- September 13, 2011, Copenhagen, Denmark. **Meeting at European Environment Agency (EEA)**. Participation: E. Benfenati, G. Gini.

### International events' participation:

- April 11-15, 2011, Paris, France. **IEEE Symposium Series on Computational Intelligence - SSCI**. Participation: G. Gini, with the submitted paper "Mining Toxicity Structural Alerts from SMILES: A New Way to Derive Structure Activity Relationships".
- May 15-19, 2011, Milan, Italy. **SETAC Europe 21st Annual Meeting**.  
Participation:
  - R. Knauf, with the poster "ANTARES - Alternative Non-Testing methods Assessed for REACH Substances".
  - E. Benfenati, A. Roncaglioni, C. Milan, L. Attias, S. Alivernini, R. Knauf, G. Gini, F. Lemke, with the poster "The ANTARES project: An evaluation of non-testing methods for REACH".
  - E. Benfenati, with the course "Use of QSAR models for REACH: practical use of the CAESAR and US EPA T.E.S.T. models".
  - E. Benfenati (with A. Roncaglioni, A. Manganaro, R. Gonella Diaza, A. Lombardo, M. I. Petoumenou), with the platform presentation "The development of new tools towards a better exploitation of non testing methods for regulatory purposes".
- August 28-31, 2011, Paris, France. **EUROTOX 2011 - 47th Congress of the European Societies of Toxicology**. Participation: E. Benfenati, with the talk "In silico risk assessment".
- September 3-7 2011, Maribor, Slovenia. **CMTPI 2011 - 6th International Symposium on Computational Methods in Toxicology and Pharmacology Integrating Internet Resources**. Participation: A. Roncaglioni (together with A. Manganaro, R. Gonella Diaza, A. Lombardo, M. I. Petoumenou, G. Gini, E. Benfenati) with the platform presentation "The development of new tools towards a better exploitation of the applicability domain of QSAR models".

### Initiatives for media:

- Interview of E. Benfenati on alternative non-testing methods, in course of publication on the Italian newspaper “L’Espresso”.

### Scientific dissemination:

- 1 submitted paper:  
C. Milan, O. Schifanella, A. Roncaglioni, E. Benfenati. *Comparison and possible use of in-silico tools for carcinogenicity within REACH*. J Environ Sci Heal C
- 1 published paper:  
T. Ferrari, G. Gini, N. Golbamaki Bakhtyari, E. Benfenati. *Mining Toxicity Structural Alerts from SMILES: A New Way to Derive Structure Activity Relationships*. Proceedings of the IEEE Symposium Series on Computational Intelligence – SSCI, 11-15 April, 2011, Paris, France. 120-127.

### Didactic courses and initiatives:

- July 4-8, 2011, Feltre (Belluno), Italy. **2° Scuola Nazionale di Chimica dell’Ambiente e dei Beni Culturali. Il presente e il futuro**. Participation: E. Benfenati, with a lecture on alternative methods.
- August 23, 2011, Copenhagen, Denmark. **RECETO PhD course: Use of QSAR models - practical use of the CAESAR models for legislative purposes (e.g. REACH legislation)**. Participation: E. Boriani, as teacher.
- September 9 2011, Padua, Italy. **Master "Strategic Environmental Management"**. Participation: E. Boriani, with the talk “Use of QSAR in environmental risk assessment”.
- September 2011 - January 2012, Istituto Mario Negri, Milan, Italy. **Training period on QSAR methods for Dr. Antonella Esposito (University of Naples Federico II) under the supervision of E. Benfenati**.
- November 7-11, 2011, Istituto Mario Negri, Milan, Italy. **Training period on QSAR methods for Dr. Nadia Cerioli (ISPRA, Rome) under the supervision of E. Benfenati**.





### Events towards industry:

- February 3, 2011, Milan, Italy. **6<sup>o</sup> Conferenza Sicurezza Prodotti: REACH**. Participation: E. Benfenati, with the talk “*Il primi risultati dei progetti europei ORCESTRA e ANTARES sui metodi alternativi*”.
- March 8-9, 2011, Leipzig, Germany. **OSIRIS ITS Stakeholder Workshop**. Participation: A. Roncaglioni.
- March 22, 2011, Milan, Italy. **Federchimica Course on “Il metodo QSAR e sue applicazioni pratiche nel Regolamento REACH”**. Participation: E. Benfenati.
- March 30 - April 1, 2011, Barcelona, Spain. **OSIRIS Fourth Annual Meeting**. Participation: A. Roncaglioni
- June 20, 2011, Lisbon, Portugal. **Training Workshop on QSAR as a Tool in Chemical Risk Assessment**. Participation: E. Benfenati, A. Roncaglioni, G. Gini.
- October 5-7, 2011, Milan, Italy. **Chem-Med 2011 - The International chemical event**. Participation: E. Benfenati, R. Knauf.

### Workshops and seminars:

- February 21-25, 2011, Milan, Italy. **Risk assessment. Metodi di valutazione per l'ambiente e per l'uomo. Settimana Ambiente 2011**. Participation: A. Roncaglioni, with a demonstration of the CAESAR software.
- May 7, 2011, Pavia, Italy. **Conferenza InterMaster. Caratterizzazione tossicologica delle sostanze chimiche: prepararsi al futuro con l'esperienza maturata nel 2010 per il REACH**. Participation: E. Benfenati, with the talk “*I modelli in silico: (Q)SAR*”.

### Meetings with national regulatory bodies:

- February 3, 2011, Conferenza Sicurezza Prodotti: REACH, Milan, Italy. **E. Benfenati discussed with Alessio Marioni (Italian Ministry of Health) the new VEGA web site**.
- April 6, 2011, ORCHESTRA Workshop on QSAR & REACH, Istituto Mario Negri, Milan, Italy. **E. Benfenati discussed with Carlo Zaghi (Italian Ministry of Environment) and Pietro Pistolese (Italian Ministry of Health) the implementation of the Italian network of groups on QSAR models**.
- May 7, 2011, Master courses on REACH, Pavia, Italy. **E. Benfenati discussed with Pietro Pistolese (Italian Ministry of Health) the participation to the Master courses in Italy**.



- May 15, 2011, SETAC Europe 21st Annual Meeting, Milan, Italy. ***E. Benfenati discussed with Carlo Zaghi (Italian Ministry of Environment) the network of groups on QSAR and the VEGA web site.***
- September 19, 2011, Ministry of Health, Rome, Italy. ***E. Benfenati and L. Attias participated to the first meeting of the Italian “Gruppo di lavoro sui metodi QSAR per il REACH”. ANTARES is taken as a good source for the identification of the QSAR models.***
- September 29, 2011, Helmholtz-Zentrum UFZ, Leipzig, Germany. ***Meeting by E. Benfenati with Matthias Herzler and Claudia Voss (Bundesinstitut für Risikobewertung, BfR).***
- September 29, 2011, Helmholtz-Zentrum UFZ, Leipzig, Germany. ***Meeting by E. Benfenati with Frauke Stock (Umweltbundesamt, UBA).***