



## PEOPLE MARIE CURIE ACTIONS

**Marie Curie Industry-Academia Partnerships and Pathways  
(IAPP)**

**Call: FP7-PEOPLE-IAPP 2008**

**POSINAM**

**POre Space Investigation in Natural and Artificial Materials**

15.10.2009 – 14.11.2013

[www.posinam.eu](http://www.posinam.eu)

Coordinator : Jean-Claude Parneix



## **What are Marie Curie Industry-Academia Partnerships and Pathways (IAPP)?**

IAPPs are partnerships between public and private research organizations (including universities, large and small enterprises, manufacturing industries), based on a common research project and aiming to increase skills exchange between the two sectors.

### **What does the funding cover?**

- Exchange of know-how and experience through inter-sector two-ways secondments of research staff of the participants;
- Research and Networking activities;
- Recruitment of experienced researchers from outside the partnership, for involvement in transfer of knowledge and/or training of researchers;
- Organization of workshops and conferences, involving the participants' own research staff and external researchers
- For SMEs: research equipment (up to 10% of the EC contribution for each SME participant) on a duly justified basis



# PARTICIPANTS

University of Poitiers

HYDRASA  
(France)

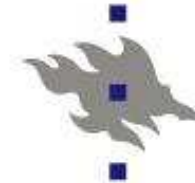


ETUDES RECHERCHES MATÉRIAUX  
www.univ-poitiers.fr

Poitiers (France)

University of Helsinki

HYRL  
(Finland)



UNIVERSITY OF HELSINKI



## OBJECTIVES

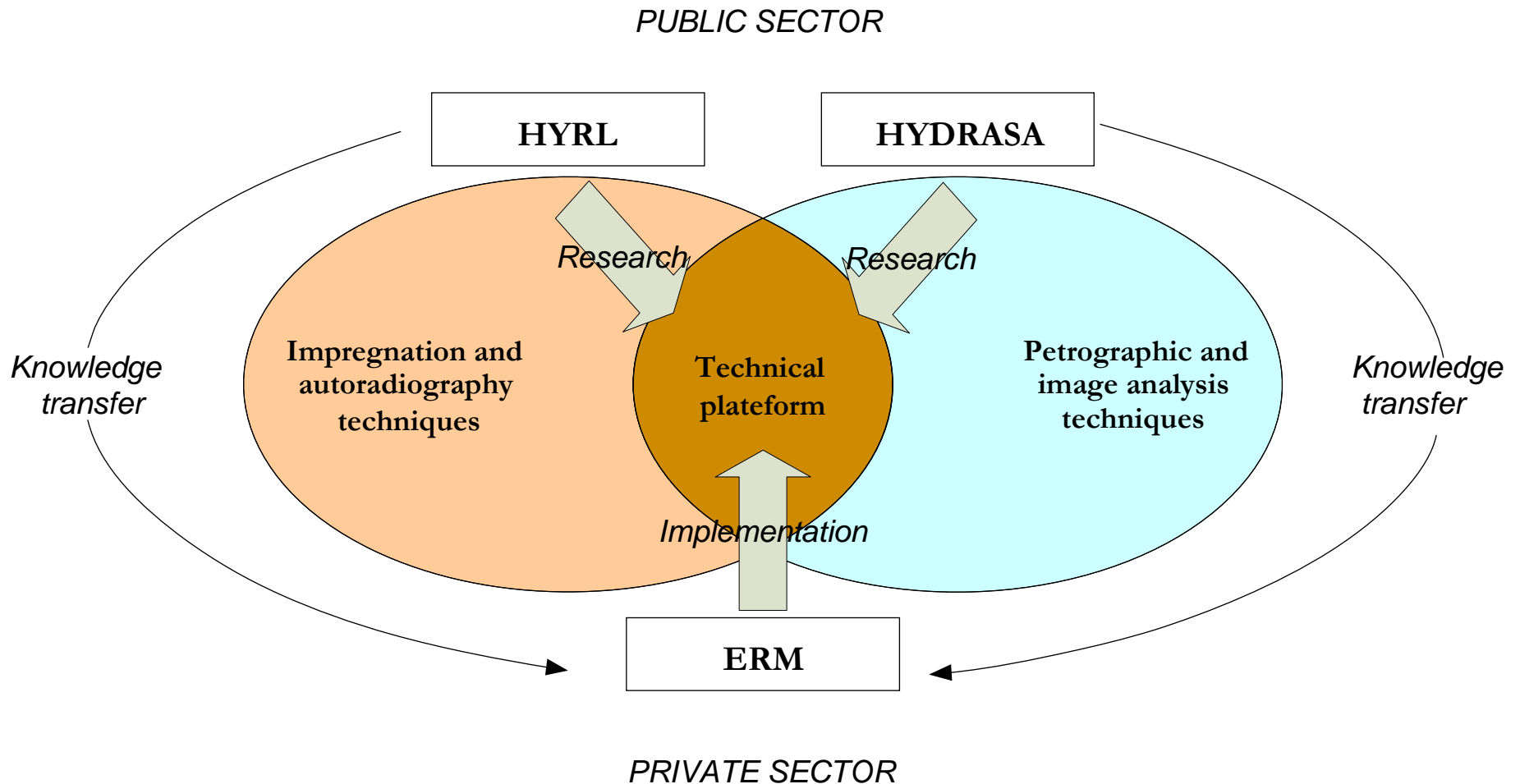
The objective of the research programme is to produce **realistic 3D models of natural and artificial materials including porosity distribution.**

- To improve knowledge of petrography on rocks, cements and soils, etc... related to porosity organisation (HYDRASA, Poitiers, France).
- To characterise heterogeneous spatial porosities of these materials using a **saturation technique** with a  $^{14}\text{C}$ - or  $^3\text{H}$  PolyMethylMethAcrylate (PMMA) resin (HYRL, Helsinki, Finland).
- To provide **service for industries which** need 3D models of their materials (SME ERM, Poitiers, France).

The fulfilment of the POSINAM project requires the **transfer of knowledge** from public centres (HYDRASA and HYRL) to private organisations (SME ERM) in order to build a technical platform



# POre Space Investigation in Natural and Artificial Materials



3 RESEARCHERS  
(10 months)



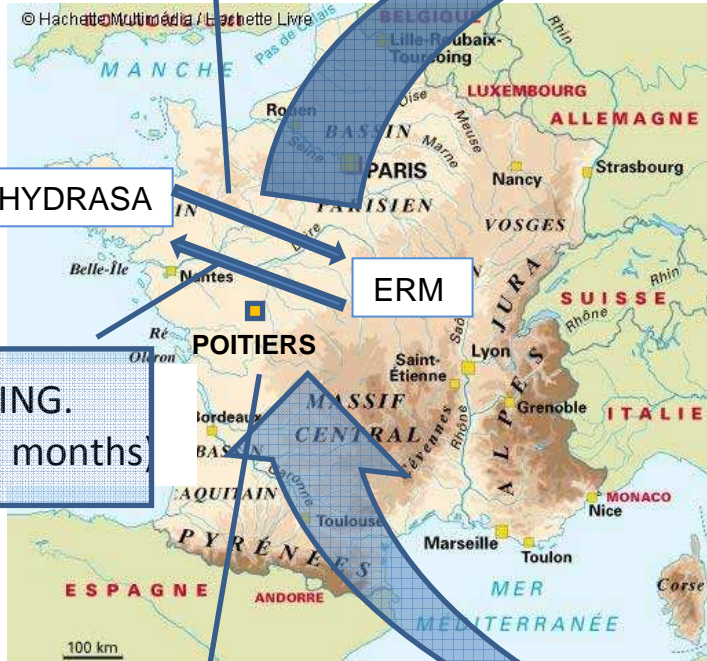
5 ENGINEERS (14 months)



HYDRASA

ERM

1 ING.  
(2 months)



2 RESEARCHERS (14 months)

HYDRASA  
1 POST DOC (12 months)  
1 EXP. RESEARCHER (12 months)

HYRL  
1 POST DOC (16 months)



# WORK PLAN

