

## **HUMBOLDT Open Day**

Welcome and Introduction

Dr. Joachim Rix, Project Co-ordinator  
Lisbon, September 28, 2010

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 HUMBOLDT

*It was the ultimate ambition of Alexander v. Humboldt  
to collect and integrate the knowledge of his time and,  
by doing this, to gain new insights in all areas of life.*



A step towards  
the European Spatial Data Infrastructure (ESDI)

Project philosophy:

re-use the existing  
extend by need  
arrive at the ESDI  
prosper by application

## Project Objectives

- ▣ The main goal of HUMBOLDT is providing **tools for transforming** the available geodata (Spatial Data Infrastructures) into information, which can be used **across borders and for a variety of applications and information products**
- ▣ Common software tools and services to support transformation needs
- ▣ **Integration** of these tools and services into existing SDI
- ▣ **Support for INSPIRE** (tools for data harmonisation) **and GMES** (theme-specific services)
- ▣ Users' perspective on the SDI: From a data-centric view to a usage centric view

## HUMBOLDT Project Fact Sheet

**Full Title:**

Development of a Framework for Data Harmonisation and Service Integration

**Funding Scheme:**

FP6 Integrated Project

**Duration:**

48 Months (Oct.1, 2006 –Sept. 30, 2010; extent to March 31, 2011)

**Consortium:**

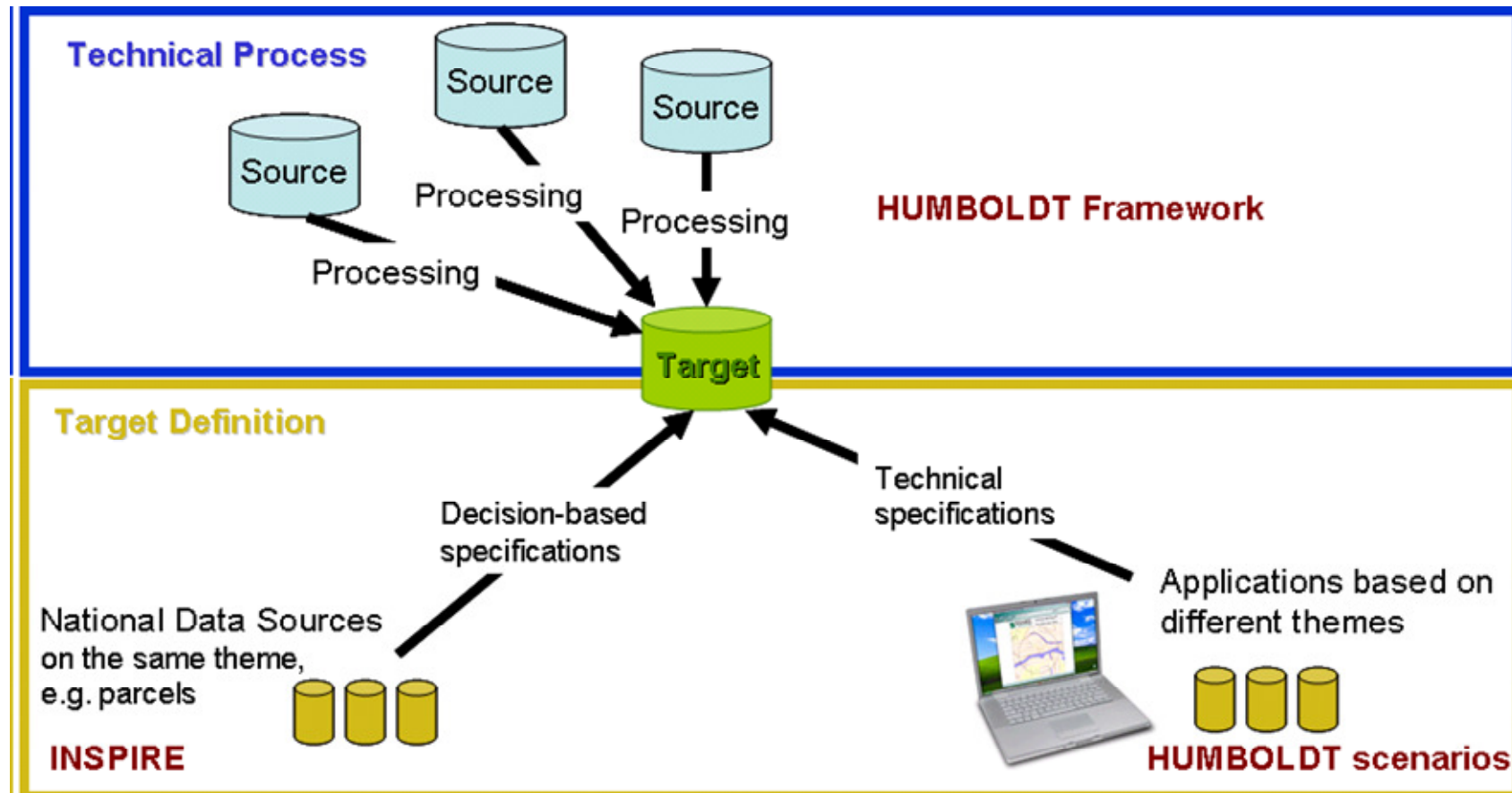
Fraunhofer IGD (Coordinator), ETRA Investigacion y Desarrollo, Help Service Remote Sensing, LogicaCMG UK, Institut Géographique National, Intergraph CZ, Intergraph Deutschland, ETHZ - Swiss Federal Institute of Technology Zurich, Delft University of Technology, University of Rome "La SAPIENZA", FOMI, MARIS, KTU Regional Science Park, Technische Universität München, University of the West of England, IFREMER, National Environment Research Council, Hellenic Centre for Marine Research, Telespazio, GISIG, CNR, Forest Management Institute, Instituto Geográfico Português, Collecte Localisation Satellites, University of Gävle, Technische Universität Darmstadt

**Contact:**

Dr. Joachim Rix, Fraunhofer IGD, Fraunhoferstr. 5, 64289 Darmstadt, Germany, [coordinator@esdi-humboldt.eu](mailto:coordinator@esdi-humboldt.eu)



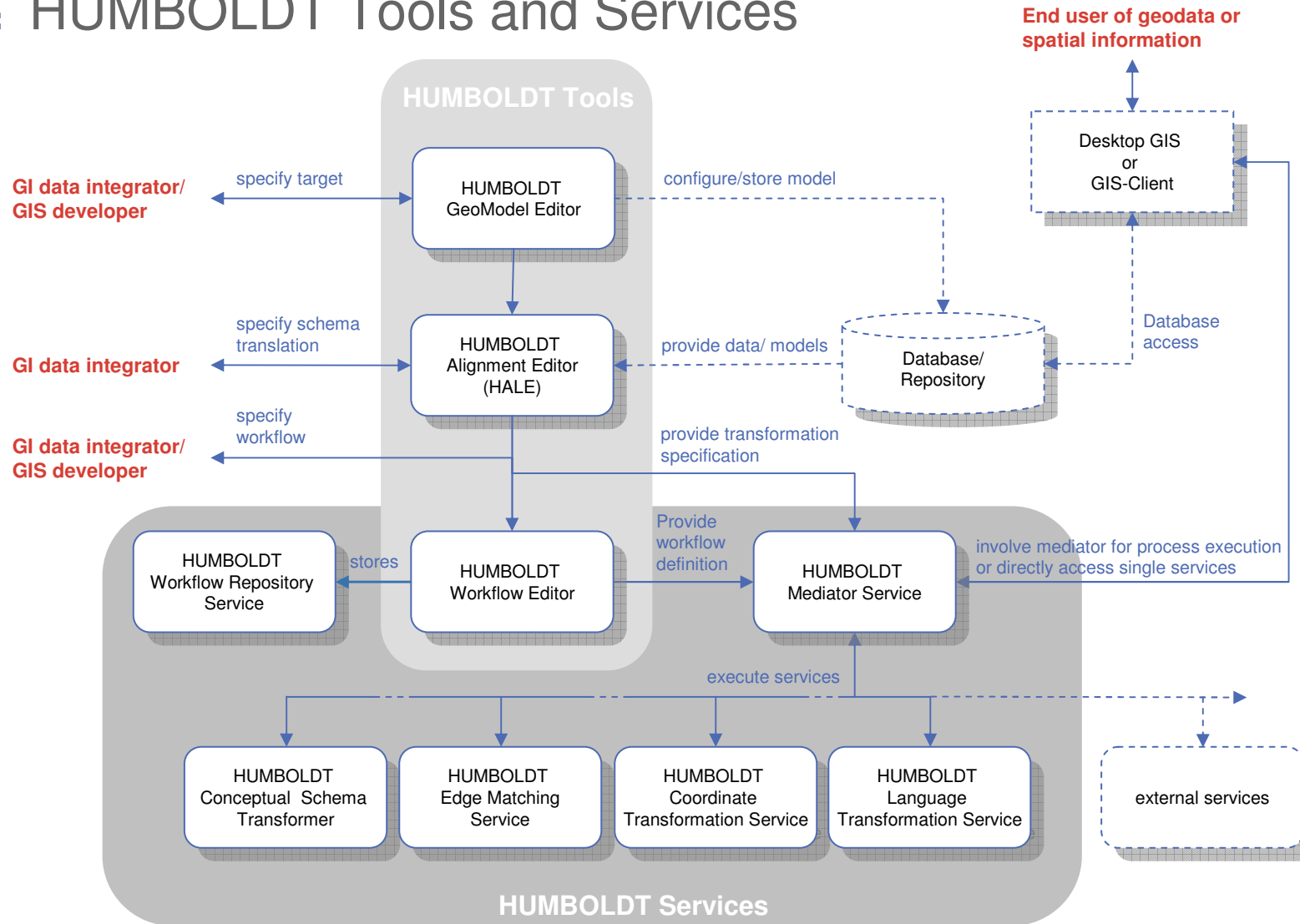
Goal: Reaching the Target



## Highlights of the Project (1/2)

- ▣ Clarifying the state of the art in **data modelling** and **data harmonisation**
- ▣ Exploration of **technical approaches**
- ▣ Significant **progress on developing** new and innovative approaches for supporting the data harmonisation process
- ▣ Setting up the **collaborative environment for software development** and defining the related methodologies
- ▣ Development of the **HUMBOLDT framework** components
- ▣ Setting up of the **open source community**

## HUMBOLDT Tools and Services



## ■ Highlights of the Project (2/2)

- **Consistent terminology and classification** of users for the User Involvement Strategy
- Gathering **requirements** related to INSPIRE and GMES as well as from scenarios and the users
- **Scenario demonstrator specifications and developments** including the evaluation of their harmonisation processes and data models
- Using the project results in **Training and Dissemination**
  - Workshops and Presentations at INSPIRE, AGILE and User Conferences
  - ➔ HUMBOLDT Open Day



 **Agenda (1/3)**

- ▣ Welcome and Introduction
- ▣ Block 1: Introduction to Data Harmonisation and the HUMBOLDT Framework
  - Data Modelling and Harmonization
  - HUMBOLDT Framework Components and Validation
  - User Evaluation

*Coffee Break*

 **Agenda (2/3)**

 **Block 2: Humboldt Scenarios Demonstrators**

- ERiskA Scenario
- Protected Areas Scenario
- Transboundary Catchment Scenario

*Lunch Break and Discussions / Hands-on*

- Ocean Scenario
- Atmosphere Scenario

 **Agenda (3/3)**

 **Block 3: Humboldt Training and Tools**

- Training Platform: Overview and Access
- Introduction of the HUMBOLDT Training Levels

*Coffee Break and Discussions / Hands-on*

- User and Community Driven Framework Development
- Future Perspectives of HUMBOLDT and Outlook