



... at a glance ...

A general introduction to the project



Facts and figures

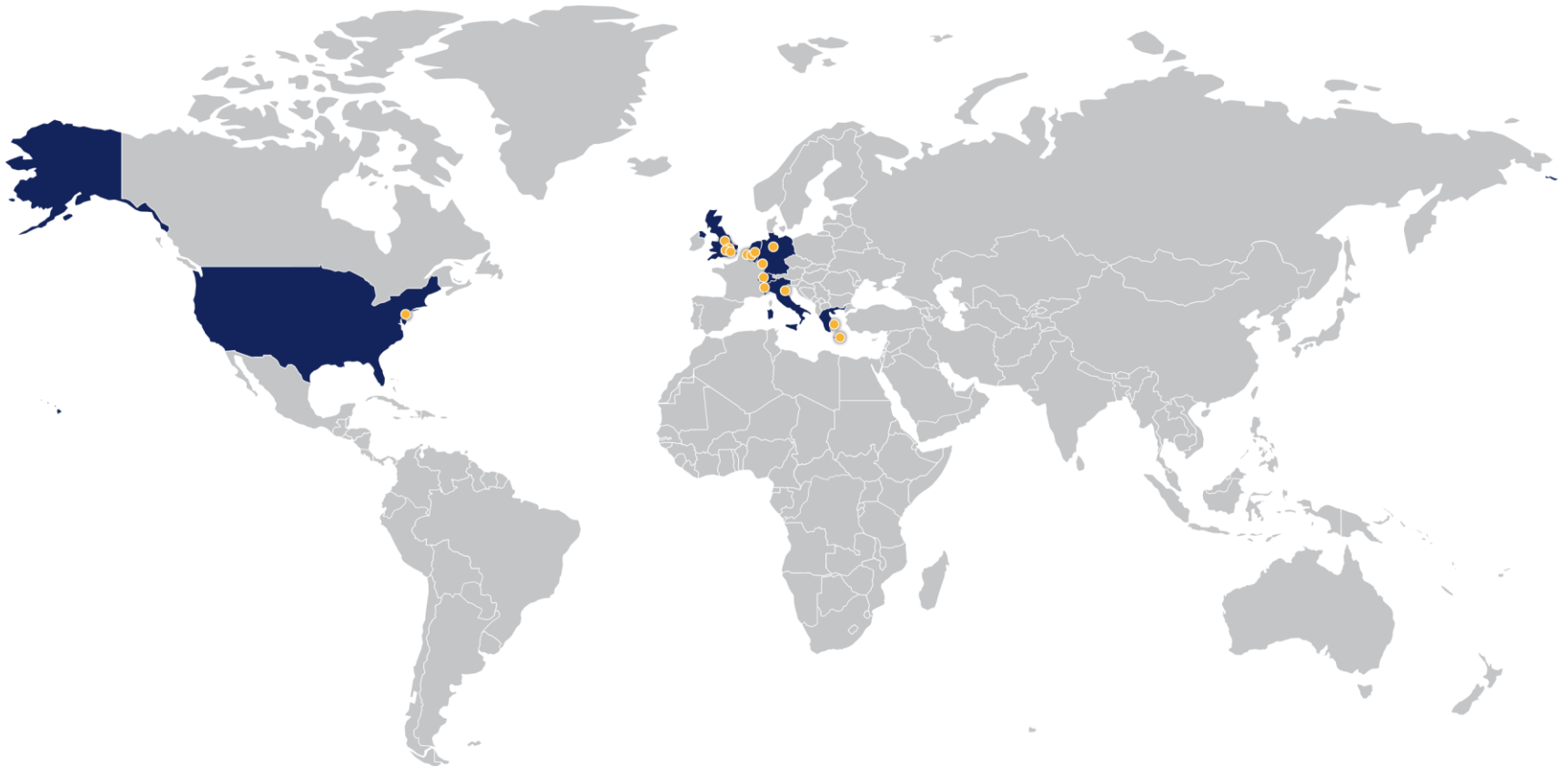


Acronym:	CHIC
Full title:	Computational Horizons in Cancer: Developing Meta- and Hyper-Multiscale Models and Repositories for In Silico Oncology
Duration:	48 months (start date: April 2013)
Project funding:	10,582,000.00 €
Programme:	7th Framework Programme of the European Commission – ICT – Large-scale Integrating Project (IP)
Coordinator:	Research Professor Georgios Stamatakos, Institute of Communication and Computer Systems (ICCS), National Technical University of Athens (NTUA), In Silico Oncology Group
Website:	www.chic-vph.eu

The CHIC Consortium



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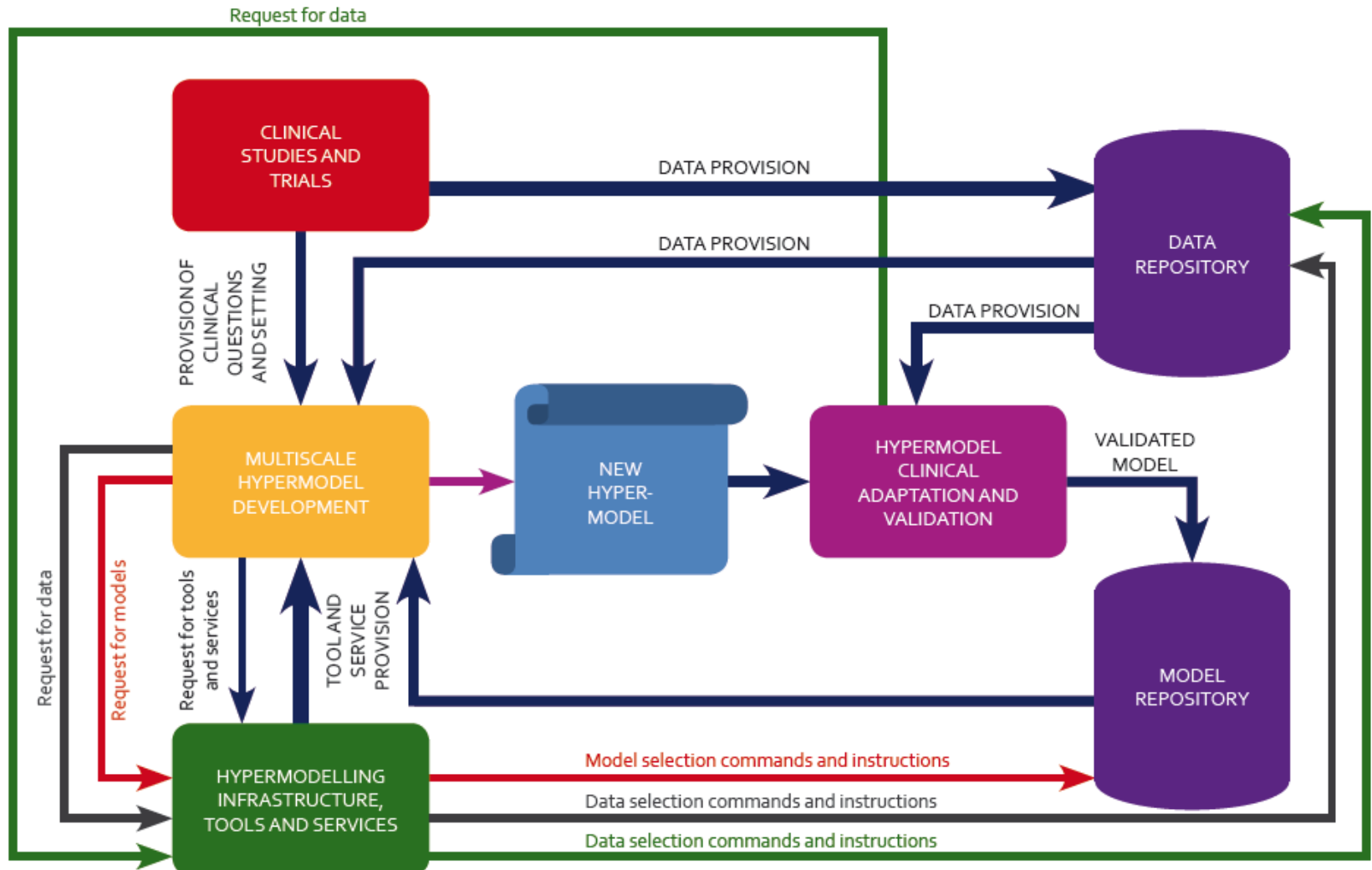
The CHIC Objectives

- Development of **clinical trial driven tools, services and secure infrastructure** for the creation of multiscale cancer hyper-models (integrative models).
- The secure **hypermodelling infrastructure** consists primarily of a *hypermodelling editor* and a *hypermodelling execution environment*.
- Development of an infrastructure for **semantic metadata management** along with **tools and services for ontology based annotations**.
- **Standardization** of cancer model and data annotation allowing multiscale hypermodelling.
- Development of **hypermodel repository**, a **hypermodel-driven clinical data repository**, a **distributed metadata repository** and an *in silico* **trial repository** for the storage of executed simulation scenarios, an **image processing toolkit**, a **visualization toolkit** and **cloud and virtualization services**.
- Three concrete **clinical trials/studies** (nephroblastoma, glioblastoma and non-small cell lung cancer)

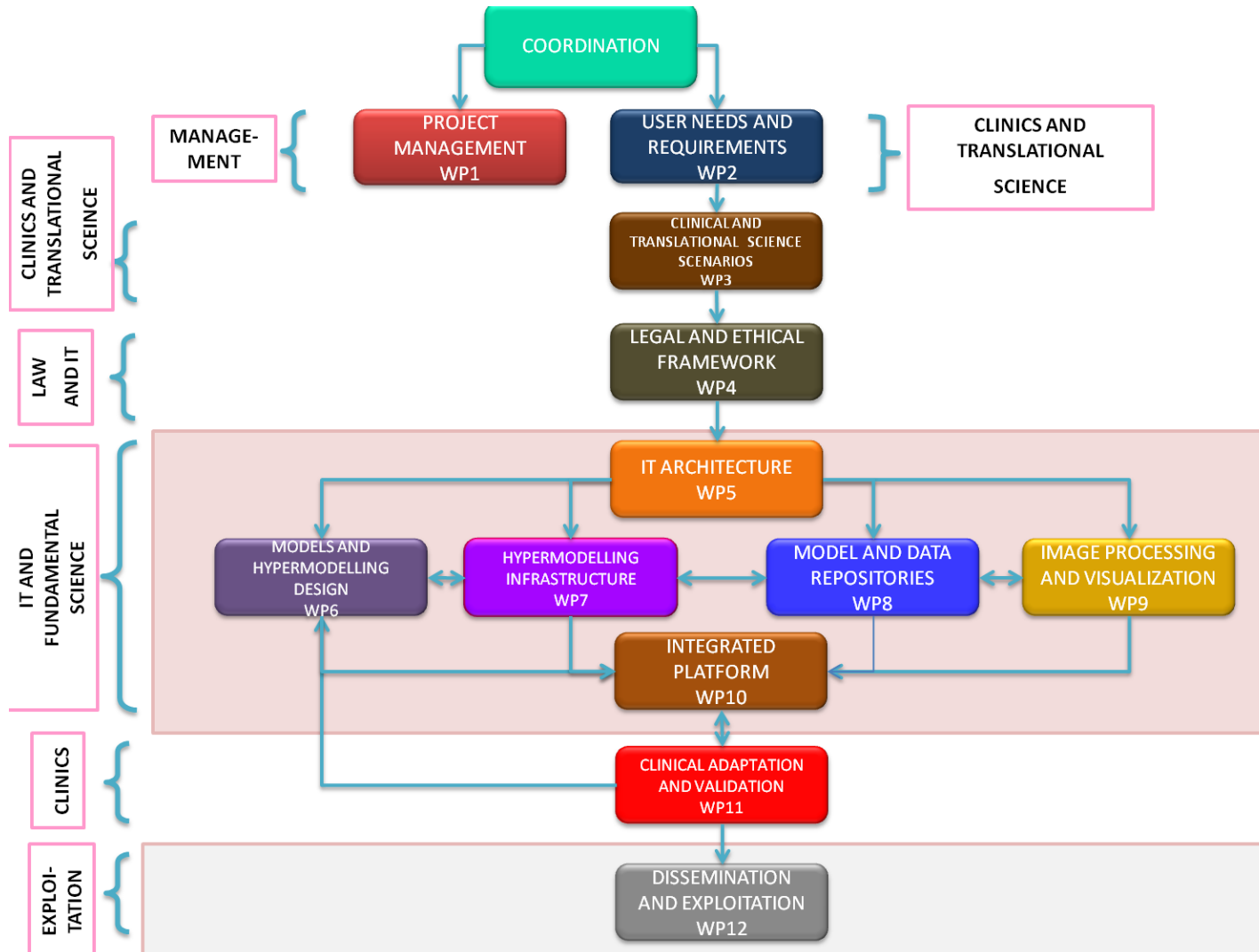
The CHIC Objectives

- Development of a number of **integrative multiscale cancer models (hypermodels)** and **hypermodel oncosimulators** and their clinical adaptation and partly validation.
- **An integrative platform** dictated by the IT architecture of the project will provide access to all hypermodelling tools and services to be developed.
- **Legal and ethical aspects** (legal and the IT aspects of data anonymization and pseudonymization, patient's consent)
- **Intellectual rights issues** arising from the amalgamation of component models potentially developed by different modellers in order to construct integrative models.
- Dissemination and exploitation (stakeholders: clinicians, fundamental science researchers, IT specialists and engineers, industry and patients).

The CHIC Structure



The CHIC Work Packages



The VPH community



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