

IMI focused on the needs common to pharmaceutical industry and patients

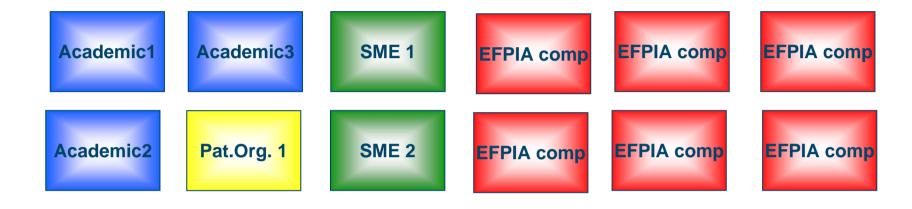
ICT-enabled solutions for affordable personalised health services

Ann Martin – IMLJU



Innovative Medicines Initiative





"Applicants consortium"

IMI beneficiaries

"EFPIA consortium"

EFPIA *in kind* contribution (no public funding)



IMI projects so far





- Pre-competitive research in Efficacy, Safety, Education&Training, Knowledge Management
- Call 2008: 15 projects initiated
- Call 2009: 9 full project proposals in preparation



Knowledge Management @ IMI



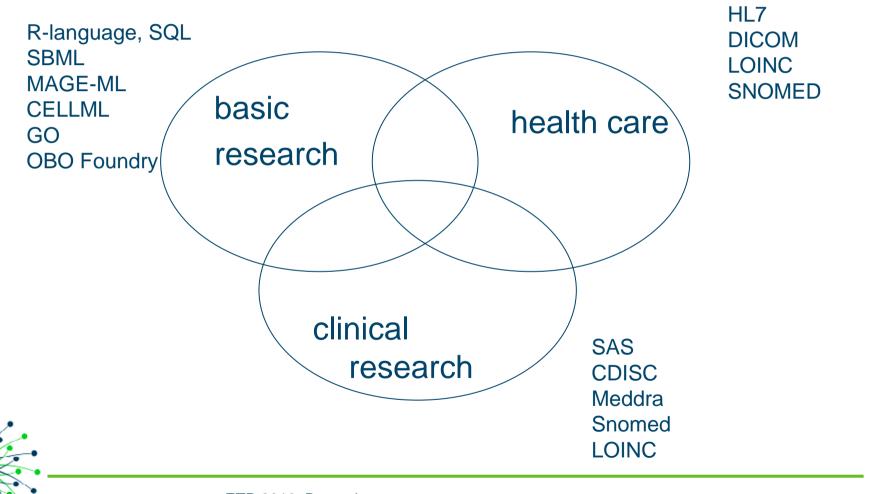
2 objectives for the data pooling and processing infrastructure:

- Translational Knowledge Management supporting Safety and Efficacy projects by ensuring implementation of standards and integration of the project results into the KM platform
- Knowledge Management Platform an integrated biomedical data platform with interactive scientific exploration tools



Current situation





Drug Disease Modelling Library and Framework



- Improve Modelling & Simulation (M&S) activities for model based drug discovery and development
- Create common ontology to describe pharmacometric & mechanistic modelling
- Develop library for pharmacometric, statistical and systems biology models
- Create software interoperability framework
- →Improved M&S infrastructure for public/private institutions
- → Releases data, models & framework in public domain



Open Pharmacological Space



- Data, tools and workflows for drug discovery i.e. drug targets and drugs for public/private institutions
- Data from public/private institutions shared openly with secure and stable service models
- Biological and chemical structure data relevant to early drug discovery
- Open source data infrastructure, free for the scientific community
- → Improved capabilities for drug discovery for public and private institutions



Electronic Health Records



- Sustainable framework for interoperability and secondary use EHR data
- Focus on clinical trial protocol feasibility, patient recruitment, drug safety, and cost effectiveness
- Clear value demonstration through execution of pilot projects
 - demonstrate integrity, security, performance & scalability
 - across European regions and/or countries
 - in an ethical and safe way complying with legal requirements
 - designed to protect patient confidentiality
- Provide forum for emerging EHR initiatives across Europe through consistent adoption of best practices





Conclusion



- Translational Knowledge Management
- Improved M&S infrastructure for public/private institutions, releases data, models & framework in public domain
- Improved capabilities for drug discovery for public and private institutions
- Improved infrastructure for clinical research, convergence clinical care and research

2-way Interoperability of Standards to the GOLD Standard?

to advance predictivity in safety and efficacy research

