

# IMPACT

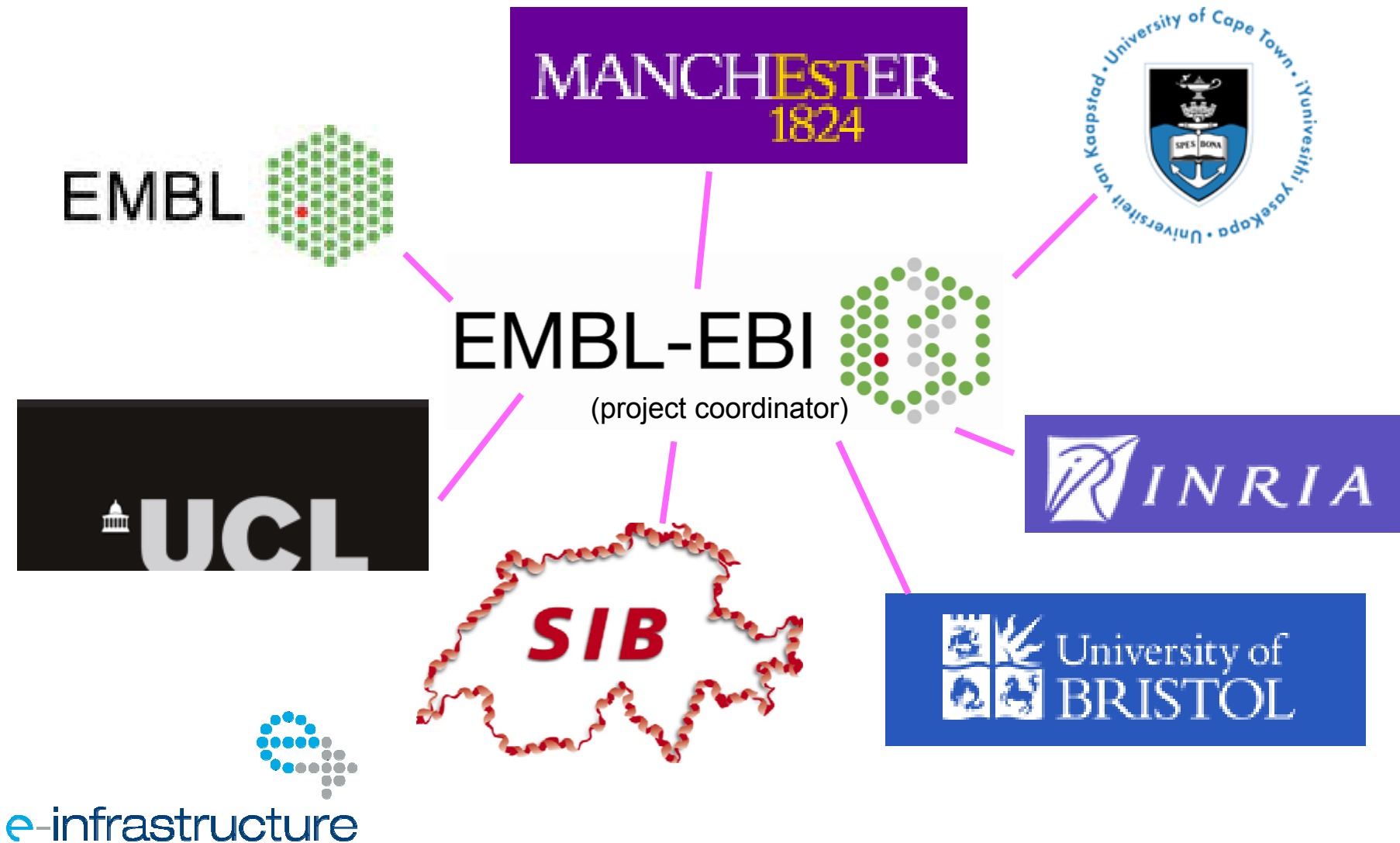
## and the role of standards

**4th e-Infrastructure Concertation Event  
Sophia-Antipolis, 5<sup>th</sup>-6<sup>th</sup> December 2007**

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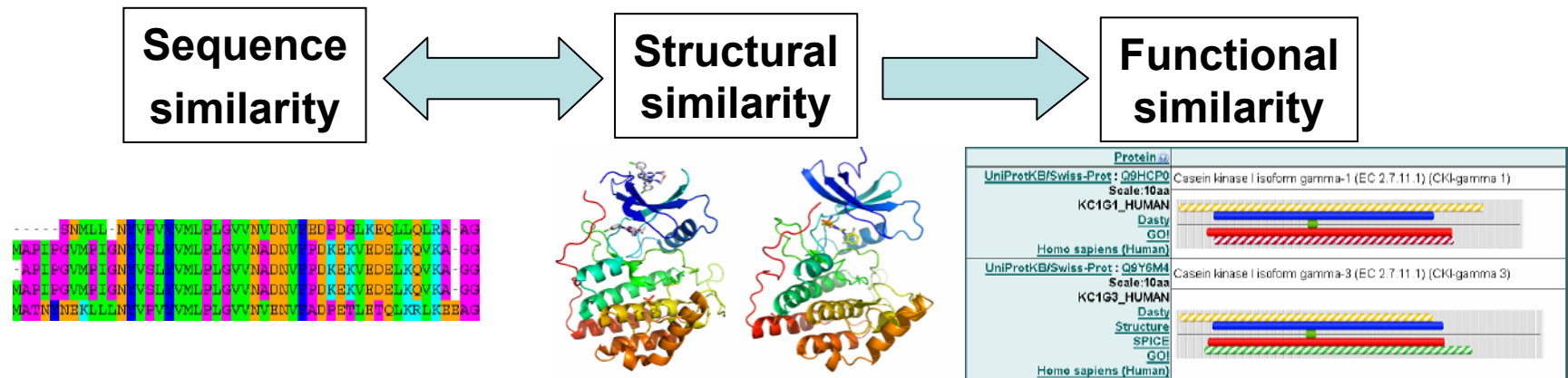


# Consortium members



# Project objectives

IMPACT's objective is to create, annotate & integrate statistical models (a.k.a. "signatures"; HMMs, Profiles or FingerPrints) which represent the functional domains or features of proteins.



Models and additional info provided to user community via: software (downloadable), flat-files (e.g. XML), web interfaces and APIs.

Data is used as a basis for further experimentation by biologists.

# Work plan outline

## Year 1

- Coordination, planning and set-up of collaboration
- Working groups established – investigation of distributed computing options; Web services; Signature development
- Improvement to signature development & integration procedures

## Year 2

- User outreach, training program established
- Scanning software modularised & run on distributed resource

## Year 3

- User interfaces (http/WS) improved
- New signatures produced representing new domains/families
- New biological information associated with signature entries
- New tools/exchange procedures within the consortium



# Standards related work

- Guidelines for Data Annotation Standardisation
  - Will ensure consistency of information associated with signatures
- Definition of Standard Exchange Formats
  - Consortium need to exchange data regularly: having standardised formats for the most common data types will assist in automating this exchange
- Creation of Web Services
  - Web services will be used internally within the consortium to ease data exchange and streamline data production pipelines
  - Web services will be used to deliver data to our users
- New software features
  - Web services will be used in our calculation software
  - DAS clients will be improved and new features added

