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HealthGrid

The European Healthgrid Initiative

e-Health and the Grid: Projects and Prospects in the European Union

Tony Solomonides on behalf of
The HealthGrid Association

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Principal Themes

- Integration
- Levels of life & knowledge: correspondence & convergence
- Issues of ethics and trust
- Services on grid infrastructure

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Workshop Theme

- Integration
  - medical and bioinformatics
  - patient information andmedical knowledge
  - patient data – images, labs, history
  - models of the human body
  - legal, ethical, security, trust issues

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Workshop Theme

- Levels of life
- Levels of knowledge
- Correspondence and convergence
  - medicine and genomics
  - ‘molecular medicine’
  - ‘individualized healthcare’

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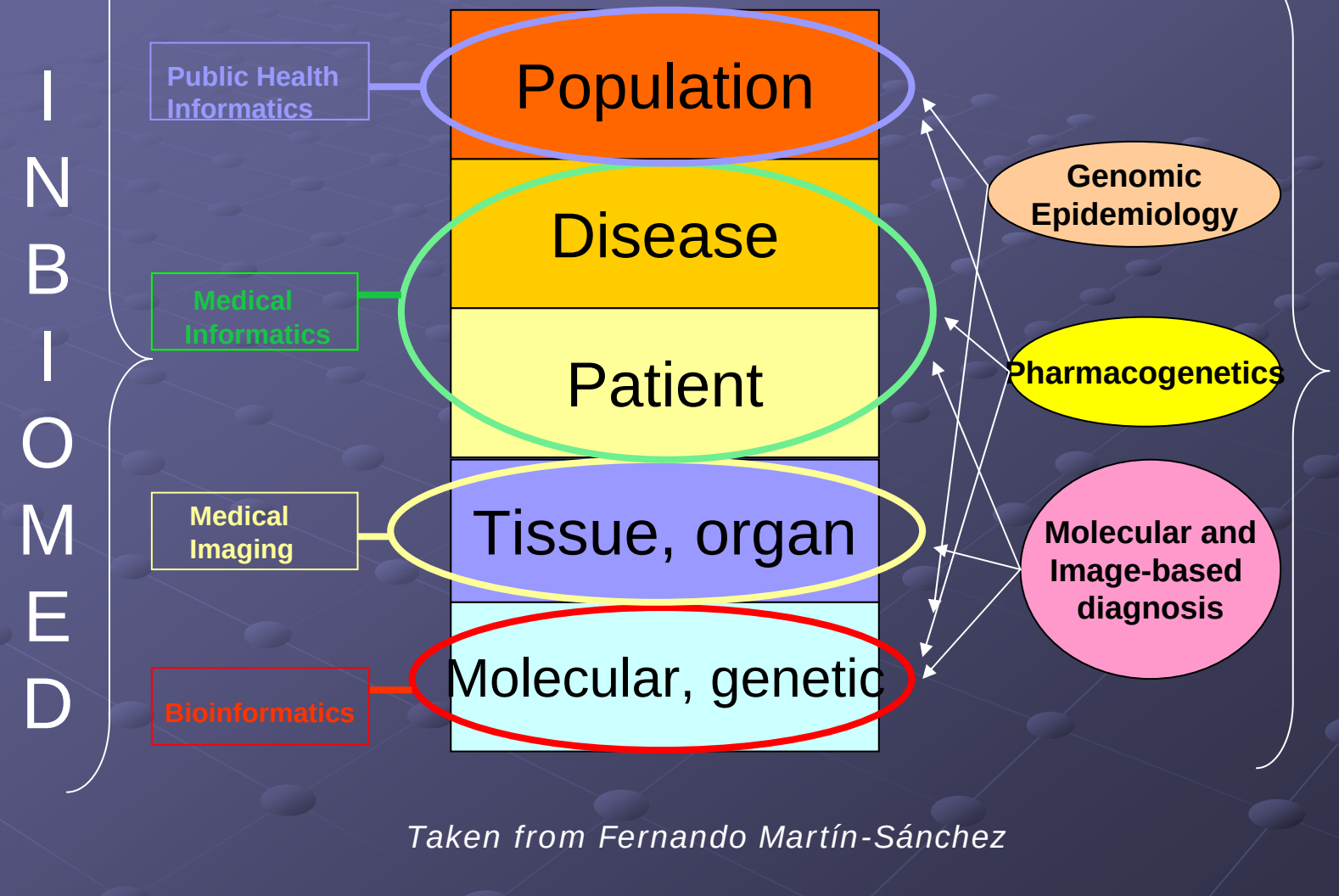
Bio-social being & pathology



Taken from Fernando Martín-Sánchez

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Benefits Expected

- At the patient level
  - Personalised healthcare, e.g. through simulation in therapy.
  - Improvement in the effectiveness of health policies through epidemiological studies.
- At the medical professional level
  - Development of federated databases and collaborative communities.
  - Development of services to support diagnosis and therapy in day-to-day work.
- At the IT Level
  - A workbench for the development of tools and services towards specific features of healthcare IT.

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More information

- References
  - http://lyon2003.healthgrid.org/program.php
  - http://clermont2004.healthgrid.org/program.php
  - http://oxford2005.healthgrid.org/program.php
  - http://valencia2006.healthgrid.org/program.php
- IOS Press: HG2005, HG2006 Proceedings
- SHARE Project – Road Maps