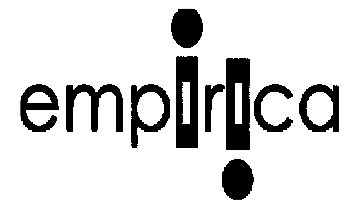


Challenges of PHS Interoperability in Daily Practice What are the Key Issues?

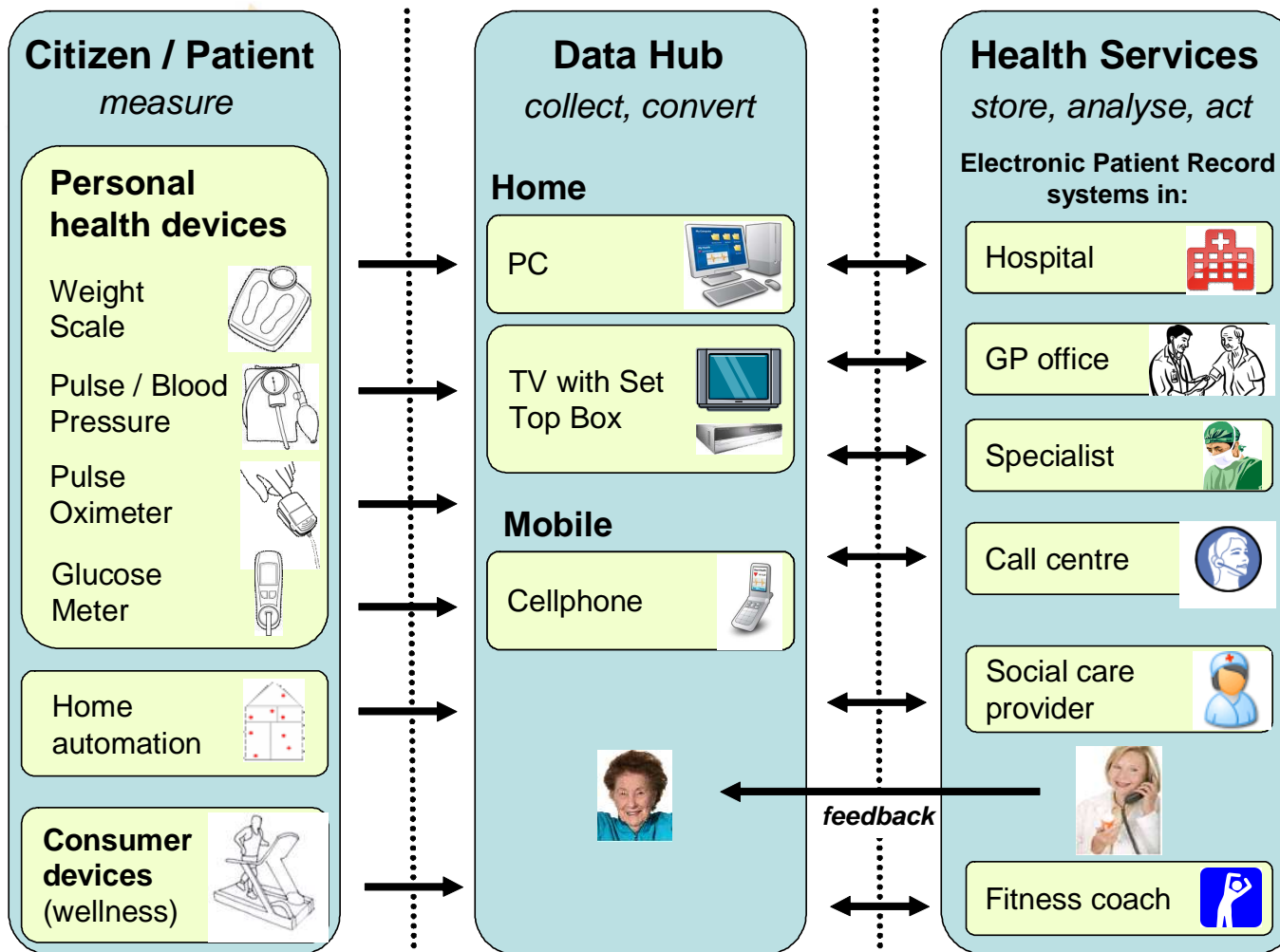
Karl Stroetmann, empirica



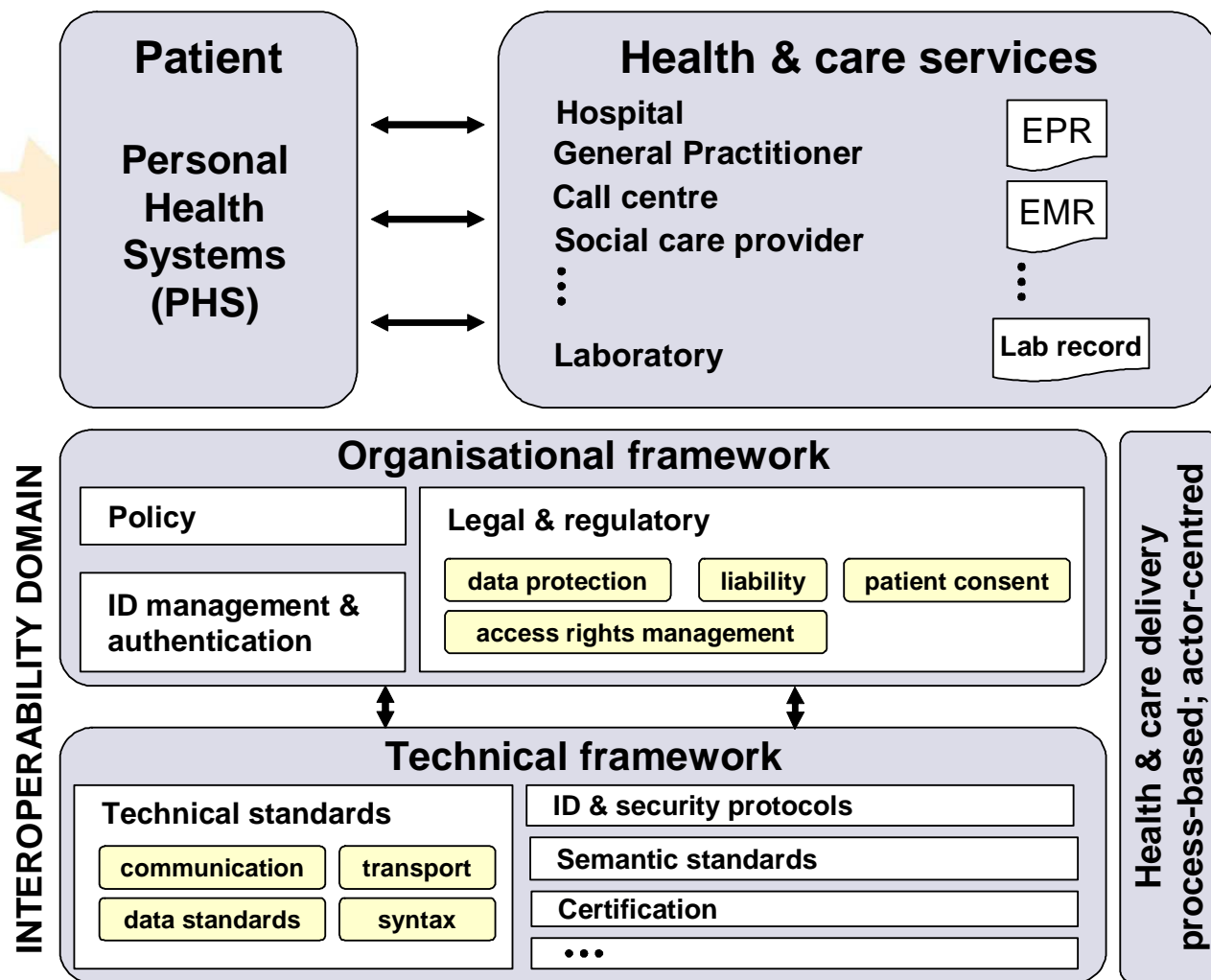
Key challenges for healthcare professionals

- Improving patient care and reducing resource consumptions: which **healthcare provision needs** can PHS devices and associated interoperability/integration into other health information systems support?
- Which interoperability issues need to be tackled -- in which order of priority?

Data Exchange in PHS-based Health and Care Services



Challenges of PHS Interoperability



Interoperability: Organisational Framework

- **Governance:** guidelines for action for physicians, nurses, call centres, patients and carers, sharing of tasks and responsibilities
- Different health/care professionals have different needs for PHS design and integration, and also **different “business” interests**
- Wide range of **legal** challenges
- Integration of PHS into **clinical workflow**, organising processes
- **Training**, education in sharing of work

Interoperability: Technical Framework

- **Seamless exchange** presumes an underlying ICT infrastructure -- with regulated access, identity management, authentication, security, etc.
- **Semantic** issues: to be addressed in relation to a specific domain, e.g. telehealth and diabetes management, **in languages to be understood** both by health professionals and patients