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Governance principles for semantic interoperability

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DAY 1 Technology and Interoperability
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Governance principles for semantic interoperability

1. No single system can meet all needs, but coordinated management of these systems is essential. **Public investment in a management and coordination tool** (terminology server) is essential.

2. National systems should be chosen with care and be as much as possible aligned with international systems**. A coordinated governance process** is necessary at both national and European levels.

3. National systems must **justify and document** any deviation from the international reference system.

4. National proprietary systems must be **gradually "mapped"** to international systems.

5. The investment in semantic resources related to coding of **data for clinical use** (in support of continuity of care in particular) must receive priority in terms of public investment. Resources should be really "**activable**".

6. The coding of data via systems designed for other purposes (such as epidemiology or reimbursement) should as far as possible be derived from the initial clinical registration.

7. The goal is to allow users to code without ever seeing any code. **Powerful user interfaces** using advanced technologies (such as NLP) must therefore be developed and made available to users via incentives and public control.

5 key pillars:

- 1 Terminology server
- 2. Terminology center
- 3. Reference Thesauri
- 4. Use cases
- 5. User interfaces