

Socio-technical Levels

PICO

Persons of all possible kinds

[pico url](#)

MICRO

Labs & Firms, from large to small

[micro url](#)

MESO

Discipline & sector commons (laws, models, standards, classifications)

[meso url](#)

MACRO

Society & its Governance

[macro url](#)

Problem mess

excessive learning needs;
rapid erosion of knowledge;
information overload
Interests neglected

many sectoral regimes;
vague boundary of commons (meso) and private (micro) assets ; much fragmentation (standards);
dominant companies seek rents from path dependence , lock-in and lobby muscle
intellectual infrastructure low on agenda

institutional gaps; patchwork IPR regimes;
aged content practices; immature generic models;
coping with globalization;
aged stakeholder on-boarding practices