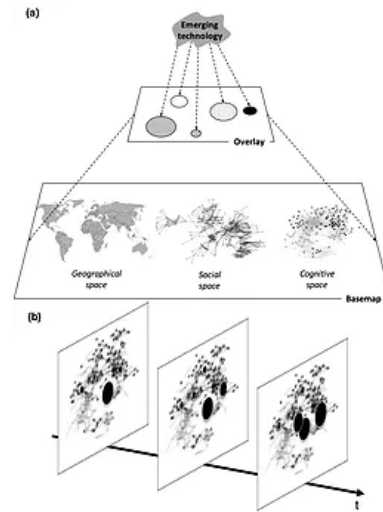


SEMINARIO



Strategic intelligence on emerging technologies: Scientometric overlay mapping

Rotolo D, Rafols I, Hopkins MM, Leydedorff L (2016)

Journal of the Association for Information Science and Technology (forthcoming)

This paper examines the use of scientometric overlay mapping as a tool of 'strategic intelligence' to aid the governance of emerging technologies. We develop an integrative synthesis of different overlay mapping techniques and associated perspectives on technological emergence across the geographical, social, and cognitive spaces. To do so, we longitudinally analyse (with publication and patent data) three case-studies of emerging technologies in the biomedical domain. These are: RNA interference (RNAi), Human Papilloma Virus (HPV) testing technologies for cervical cancer, and Thiopurine Methyltransferase (TPMT) genetic testing. Given the flexibility (i.e. adaptability to different sources of data) and granularity (i.e. applicability across multiple levels of data aggregation) of overlay mapping techniques, we argue that these techniques can favour the integration and comparison of results from different contexts and cases, thus potentially functioning as platform for a 'distributed' strategic intelligence for analysts and decision-makers.

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30 MAGGIO, aula magna Pacinotti
ore 9:00-11:00

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