

Il Dipartimento di Economia Organizza il Seminario

KEY ENABLING TECHNOLOGIES AND SMART SPECIALIZATION PATTERNS. EUROPEAN EVIDENCE FROM PATENT DATA

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Abstract:

The paper aims at investigating whether Key Enabling Technologies (KETs) can have a role in facilitating regional Smart Specialisation Strategies (S3). Drawing on the economic geography approach to S3, we formulate some hypotheses about the impact that KETs-related knowledge can have on the construction of new regional technological advantages (RTAs). By crossing regional data on patent applications, in KETs-mapped classes of the International Patent Classification (IPC), with a number of regional economic indicators, we test these hypotheses on a panel of 26 European countries over the period 1980-2010. KETs show a positive impact on the construction of new RTAs, pointing to a new enabling role for them. KETs also exert a negative moderating role on the RTAs impact of the density of related pre-existing technologies, pointing to the KETs capacity of making the latter less binding in pursuing S3. Overall, the net-impact of KETs is positive, pointing to a new case for plugging KETs in the S3 policy tool-box

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La partecipazione è aperta a tutti gli interessati