

Strategic and essential jobs: a new sectoral taxonomy based on employment multipliers

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This work develops a new sectoral taxonomy based on employment multipliers by leveraging on the input-output structure of sectoral interdependencies. The approach allows to study how interrelations among productive structures are able to generate jobs in industries and in their supply chains. Taking Italy as the starting point of this analysis we essentially address the positioning of Italian sectors in domestic and global value chains as providers or user of labour input. We adopt the tools of Input- Output analysis and WIOT and SEA data to construct global employment multipliers matrices for every year from 2000 to 2014. Focusing on Italy this allows us to assess the ability of its industries to generate employees within such industries and out of them, along the supply chain (both in domestic and international sphere). We also adopt a Pavitt Taxonomy of sectors in order to take into account the technological and learning dimension. By ranking sectors according to their employment multipliers, we eventually propose a sectoral taxonomy with a novel characterization of service industries in order to appreciate the role of essential jobs, as care activities, besides the more beaten route of of strategic knowledge intensive sectors.