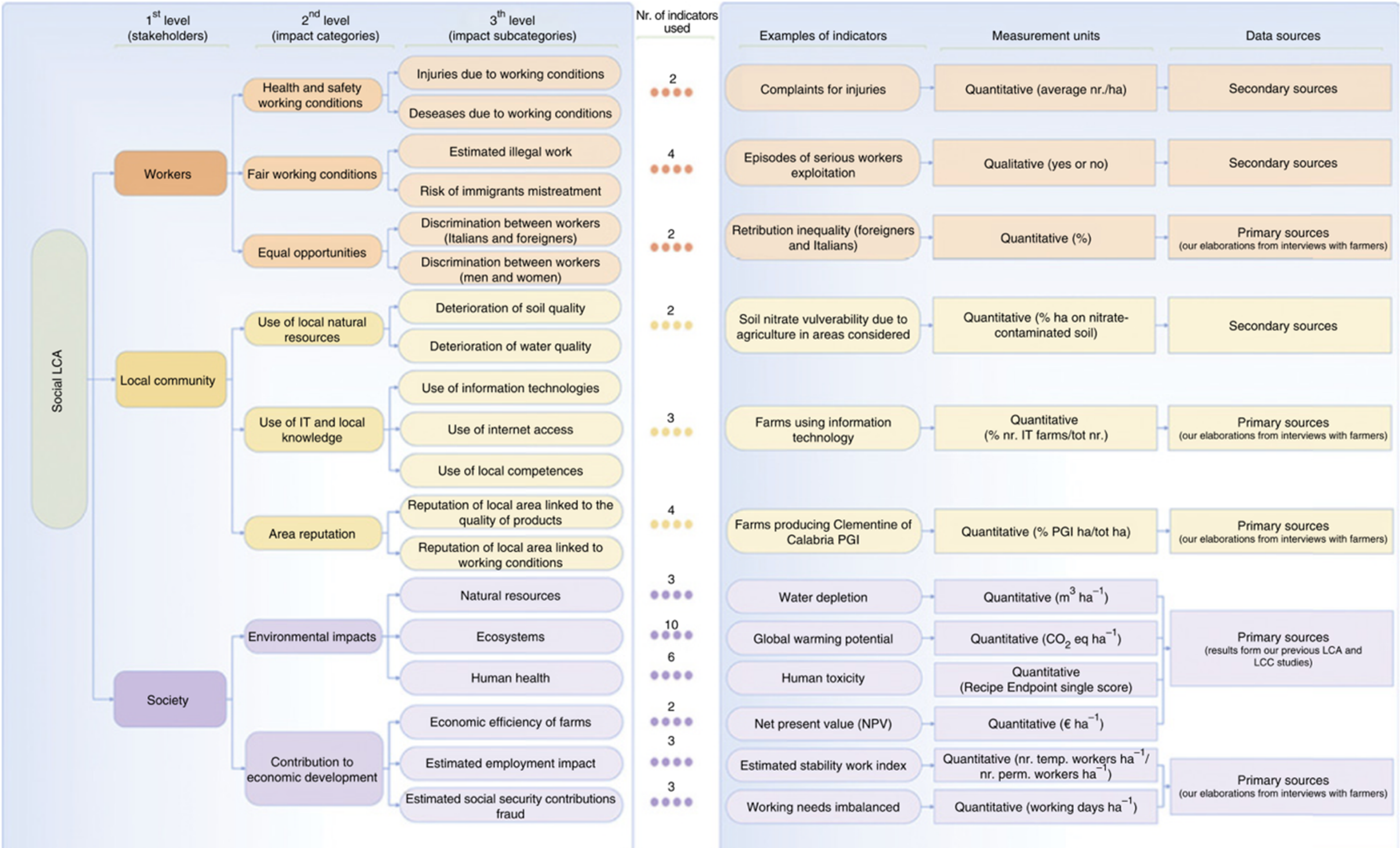
1st level (stakeholders)
2nd level (impact categories)
3th level (impact subcategories)
Nr. of indicators used
Examples of indicators
Measurement units
Data sources
Social LCA
Workers
Health and safety working conditions
Injuries due to working conditions
Deseases due to working conditions
2
Complaints for injuries
Quantitative (average nr./ha)
Secondary sources
Fair working conditions
Estimated illegal work
Risk of immigrants mistreatment
4
Episodes of serious workers exploitation
Qualitative (yes or no)
Secondary sources
Equal opportunities
Discrimination between workers (Italians and foreigners)
Discrimination between workers (men and women)
2
Retribution inequality (foreigners and Italians)
Quantitative (%)
Primary sources (our elaborations from interviews with farmers)
Local community
Use of local natural resources
Deterioration of soil quality
Deterioration of water quality
2
Soil nitrate vulverability due to agriculture in areas considered
Quantitative (% ha on nitrate-contaminated soil)
Secondary sources
Use of IT and local knowledge
Use of information technologies
Use of internet access
Use of local competences
3
Farms using information technology
Quantitative (% nr. IT farms/tot nr.)
Primary sources (our elaborations from interviews with farmers)
Area reputation
Reputation of local area linked to the quality of products
Reputation of local area linked to working conditions
4
Farms producing Clementine of Calabria PGI
Quantitative (% PGI ha/tot ha)
Primary sources (our elaborations from interviews with farmers)
Society
Environmental impacts
Natural resources
3
Water depletion
Quantitative (m3 ha−1)
Ecosystems
10
Global warming potential
Quantitative (CO2 eq ha−1)
Human health
6
Human toxicity
Quantitative (Recipe Endpoint single score)
Primary sources (results form our previous LCA and LCC studies)
Contribution to economic development
Economic efficiency of farms
2
Net present value (NPV)
Quantitative (€ ha−1)
Estimated employment impact
3
Estimated stability work index
Quantitative (nr. temp. workers ha−1/ nr. perm. workers ha−1)
Estimated social security contributions fraud
3
Working needs imbalanced
Quantitative (working days ha−1)
Primary sources (our elaborations from interviews with farmers)