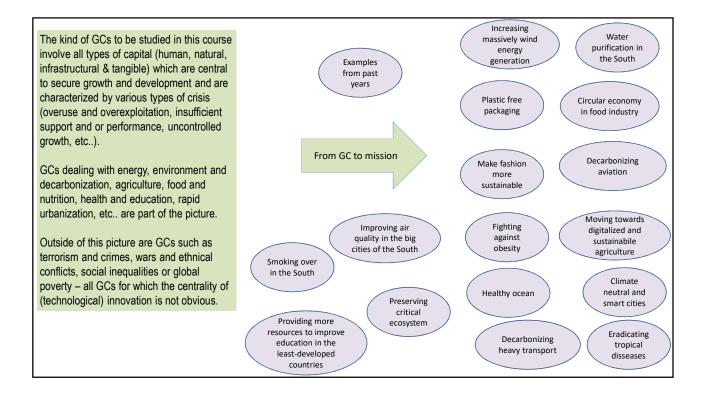


Assignment

EPFL

- Students form a team (max 3) and the team chooses a "mission" related to a Grand Challenge (GC)
- It is important that all teams come to the first class with a tentative idea about the "mission" they would like to address in terms of innovation policy as well as with a short structured presentation.
- The final goal is to write a roadmap (policy brief) covering the essential pillars of the desired transformation
- The essential pillars cover: repairing markets, promoting technologies, stimulating large scale behavioural changes, deploying new funding instruments and establishing better rules for policy
- Please read the next slides to have a better idea of what could be YOUR mission and how you should proceed to identify it



3 qualifications



- The topic should deal with any kind of "capital" (natural, human, social, manufacturing) which is mis-managed, over-used, subject to irreversible depletion or significant decumulation (previous slide)
- It is useful to distinguish between *Grand Challenges* such as climate and *missions* which can be numerous within each GC.
 - Environment as a GC includes numerous missions
 - Climate change as a GC includes numerous missions
 - Global health as a GC includes numerous missions
 - Your task will be easier if your mission is specific in terms of industry, sector, problems and place-based in terms of geographical scope (but it can also be specific and global)
- The fact that the private sector is involved makes cases more challenging!

Place-based	Global
Water purification in developing countries Plastic free packaging in the EU Promoting clean air in the urban areas of the South Developing new renewable energy in country X	Decarbonizing aviation Climate neutral cities Healthy oceans Soil health and food
European green plan	Climate actions Good health
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	Water purification in developing countries Plastic free packaging in the EU Promoting clean air in the urban areas of the South Developing new renewable energy in country X



- For all of the missions you will choose, technological innovations are central BUT solutions are not just about technology. Solutions need also to include economic, societal and institutional changes.
- The roadmap will include actions/policy proposals:

specific (and global)

- To promote innovations (technologies)
- To repair markets (externalities)
- To influence large scale behavioural tipping (social norms)
- To address the funding of systemic transformations (how to fund a big push)
- To establish better rules for policy (coordination, discovery, alignment, including taking care of the potential losers)

Assignment 1 (optional)



- Students, teams can send slides with the following points
 - Description of the initial idea about a mission which mission do you identify to be addressed by transformational roadmaps? Why this choice (importance for society, realistic objective, your competence/interest)?
- Send to dominique.foray@epfl.ch subject header: MGT 641 assignment 1

