

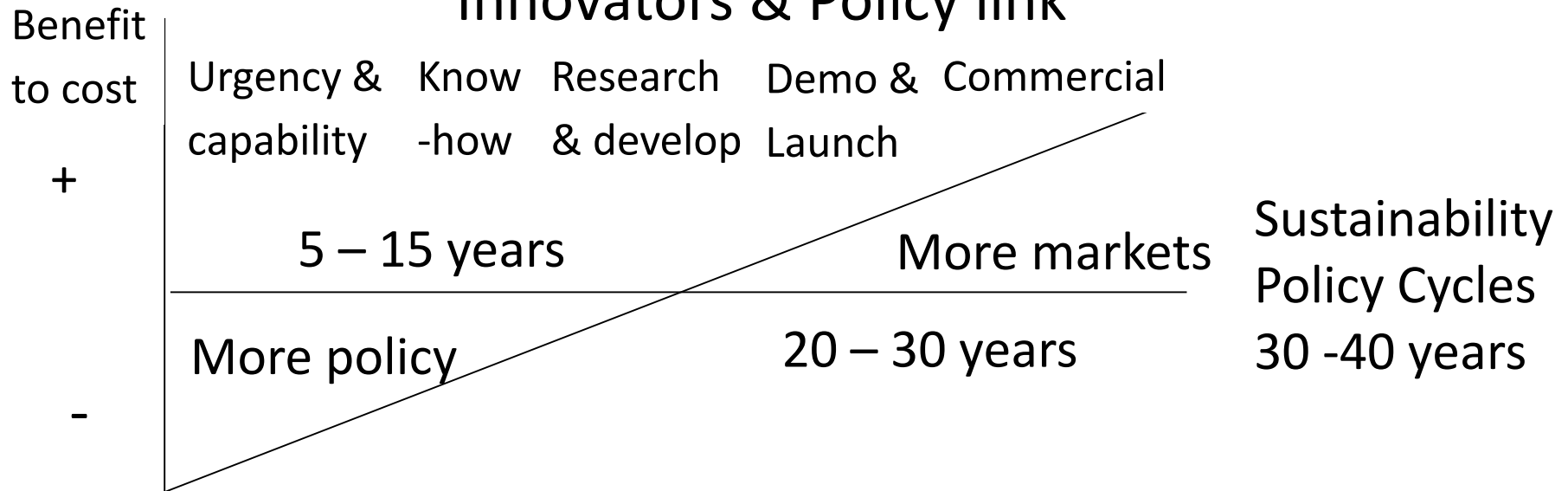
Sustainable (eco-) innovations

- Innovations aiming at triple dividend: economic, societal, environmental.
- Huge global market, +/- USD 3 000 billions (½ of all health)
- Kyrgyz now: nature & education, & law & institutions, but low income, unethical behavior & environmental damage
- Assessment: interviews, Intern. & Kyrgyz statistic, compare to Tajik, Armenia, Slovakia, Austria (small, landlocked)
- Presentation: 1. Issues, policies, options, dividends, 2. Recommendations

“If you want to kill any idea in the world get a committee working on it” Charles Kettering (the inventor of DuPont, 1876 - 1958)

	Issues	Policies	Options	Dividends
Business	Small market	FDI	Add value	Local capacity
Rural	Land & forest	Intensify	Ethical niches	Export, Cleaner
Industry	Gold mine	Share	Controls	Cleaner tech
	Light ind.	Zones	Certification	High quality
Energy	Losses	Subsidies	Pricing	Fair, Cleaner
	Residents	Coal	Electric	Export, Cleaner
Capa- bility	Education	Market share	Longer school	Quality
	Rural area	Urban service	Distributed	Export, Fair
	R&D	Spreading	“Eco” focus	Value, Clean
	Start ups	Patenting	Incubating	Value, Fair
Environ. Policy	Damages	Institutions	Capability	Effective, Fair
	Enforcing	Inspection	Penalties	Effective, Fair

Innovators & Policy link



Recommendations for policy: bold are key points

Urgency	eco-target; performance indicators; liability for damage
Capability	reliability; ethical behavior training ; penalties-awards
Know-how	longer education; social entrepreneurship ; incubators
Research	eco-innovations focus; eco-research vouchers to firms
Developm.	support distributed energy, water, land use; upgrade craft
Demonstr.	certification functionalities with sustainability attributes
Market	full cost energy & relief to poor ; price guarantees for eco