

Technology road map for the implementation of climate action plans in Palestine

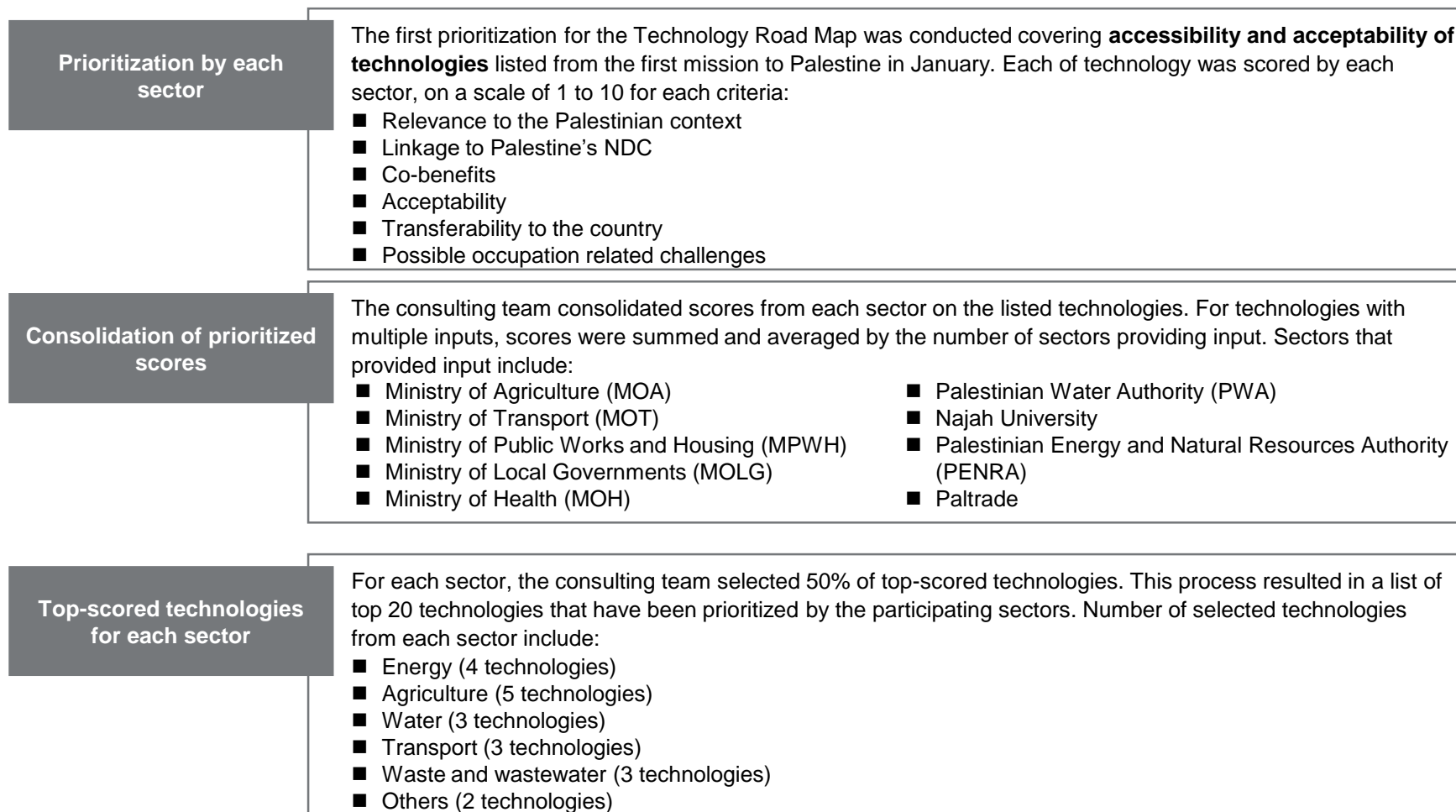
Prioritization of technologies

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Financial Advisory ●

Overview of prioritization process

Background



Prioritized technologies

List of prioritized technologies

Sector	Technologies	Score
Energy	National grid assessment / Electricity grid upgrade	51.7
	Solar water heating	50.3
	Energy efficiency: building codes, energy efficiency codes, insulation, efficient lighting	49
	Various applications of PV technologies	49
Agriculture	Precision agriculture (climate smart)	54
	Efficient irrigation	52
	Water harvesting	51
	Animal fodder	50
	Conservation agriculture (no plowing/ minimum plowing)	47
Water	Water resources monitoring technologies	57
	Rain water harvesting	55.7
	Wastewater collection and plants (cesspits)	55.5
Transport	Upgrade of the existing vehicle fleet (newer cars, hybrid/ electric, including fuel efficiency)	59
	Flood prevention	59
	Efficient use of rain water drainage	58.5
Waste and wastewater	Recycling	55
	6R – Waste sorting	53
	Composting	48.7
Others	Development of water, food and sanitation monitoring and safety systems using high technology related to health	49
	Cold chain, storage	48

Non- prioritized technologies

List of non-prioritized technologies

Sector	Technologies	Score
Energy	Natural gas power generation	47.7
	Enhancing the equipment and efficiency of the Gaza Power Plant (GPP)	47
	Using local contractors and materials to limit emissions	44.7
	Other renewables, including hybrid applications	44.5
Agriculture	Animal pens	45
	Aquaponics	44
	Crop Alternation systems	43
	Heat/drought resilient crops	43
	Introduction of new saline-/ heat tolerant crops	43
Water	Activated sludge	51
	Solar pumps for pumping and distribution	45.5
	Desalination (including renewable energy application)	42
Transport	Public transport (modal shift)	51
	Resilient roads, including efficient lighting (interactive lights, wind-powered lights, vehicle specific lanes)	51
	Improved transportation planning in cities	47.7
Waste and wastewater	Reduction of methane from landfill	48
	Waste to energy	47
	Provision of beach nourishment, reclamation and beach drift rehabilitation	36.5
Others	Flood management schemes	0 – no score provided
	Fuel Storage Facilities	0 – no score provided

Next steps

Additional steps to complete the prioritization process

Confirmation of scores

Scores for each technologies will be reviewed and confirmed during the second mission, with each sector.

Weighting of criteria

The weighting of each criteria will need to be identified before or during the second mission. Criteria include:

- Relevance to Palestinian context
- Linkage to Palestine's NDC
- Co-benefits
- Acceptability
- Transferability to the country
- Possible occupation related challenges

Criteria will also include the results of the policy assessment and other assessments.

Further assessment of selected technologies

The selected (top-rated) technologies will be further prioritized for assessment based on the below elements:

- Policy environment
- Gender considerations
- Risk assessment; and
- Required measures for the introduction of technologies

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