

# Fourth synthesis of technology needs identified by Parties not included in Annex I to the Convention

UNFCCC Climate Dialogue on TNA  
December 1, 2020



## 4<sup>th</sup> Synthesis of technology needs identified by NAI Parties

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- The UNFCCC Technology team completed in 2020 **the fourth TNA synthesis report on technology needs** identified by developing country Parties in 2009–2017 as part of the GEF-funded global TNA project.
  - The report provides an overview of the climate technology needs of **53 developing country Parties** for mitigating GHG emissions and facilitating adaptation to the adverse impacts of climate change.
  - In undertaking their TNAs, Parties followed a comprehensive process of identifying and prioritizing their climate technology needs with the **support of stakeholders**, such as the TEC, UNEP and UNEP DTU Partnership.
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## 4<sup>th</sup> Synthesis of technology needs identified by NAI Parties

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- As part of the process, Parties also identify **barriers** to the effective deployment and diffusion of climate technologies; and assess a series of **enablers** for overcoming those barriers, taking into account domestic and regional success stories and good practices.
- As an important deliverable of the TNA process, Parties prepare **Technology Action Plans**, which are concise plans with specific steps for climate technology implementation, including financial and capacity-building requirements for each climate technology action.



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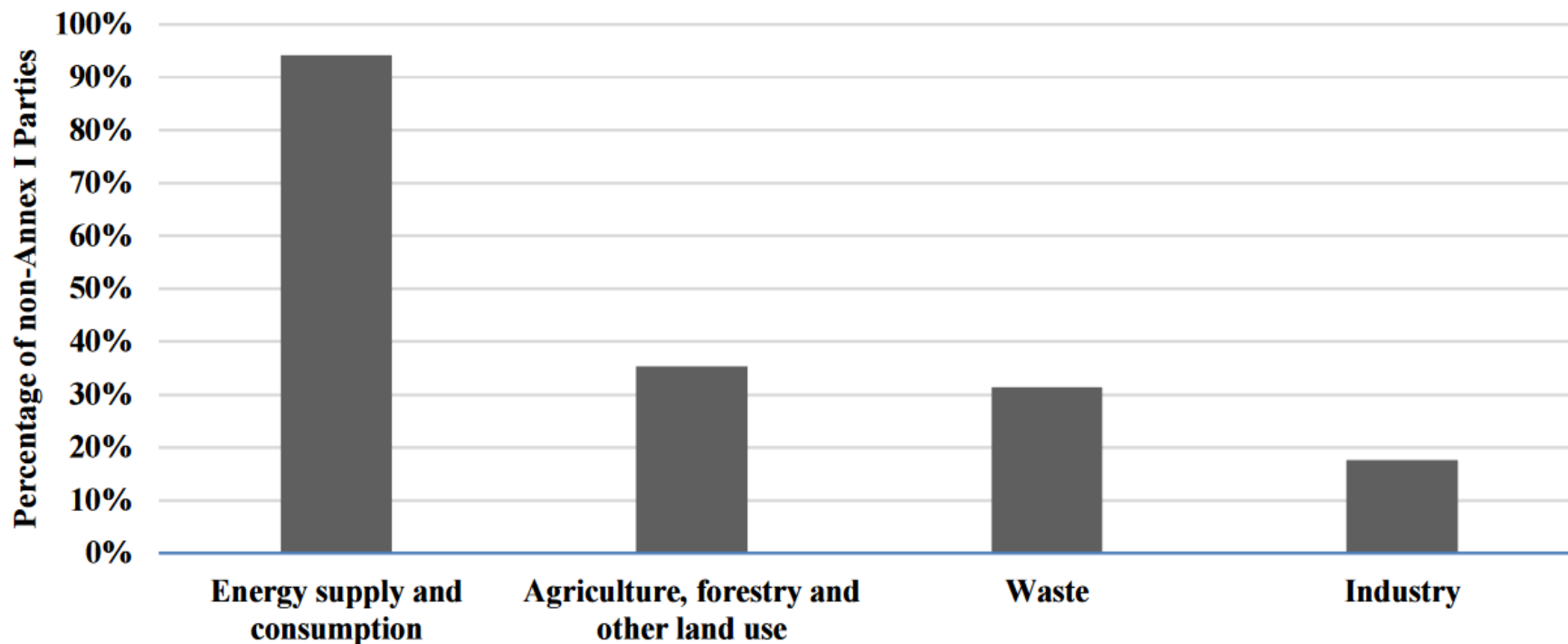
- The synthesis report highlights that the TNA project is not a stand-alone process. It describes **linkages** identified by Parties **with** other processes under the Convention and the Paris Agreement, such as **Nationally Determined Contributions and National Adaptation Plans**.
- Parties to the UNFCCC will consider the synthesis report at **SBI 52** with a view to discuss next steps in supporting action on technology development and transfer, including facilitating implementation of the TNA results.



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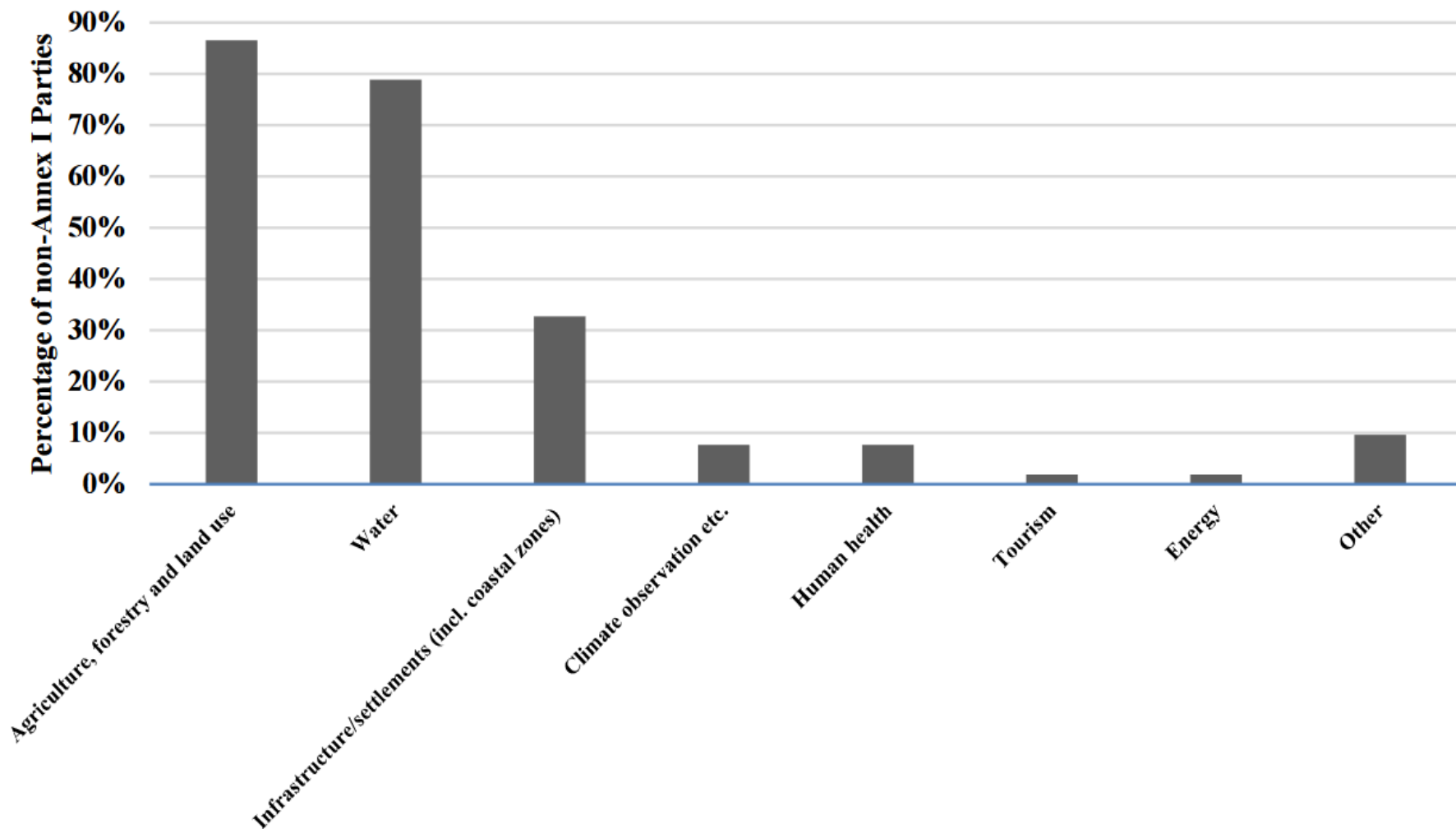
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### Prioritized sectors for mitigation reported in Parties' technology needs assessment reports



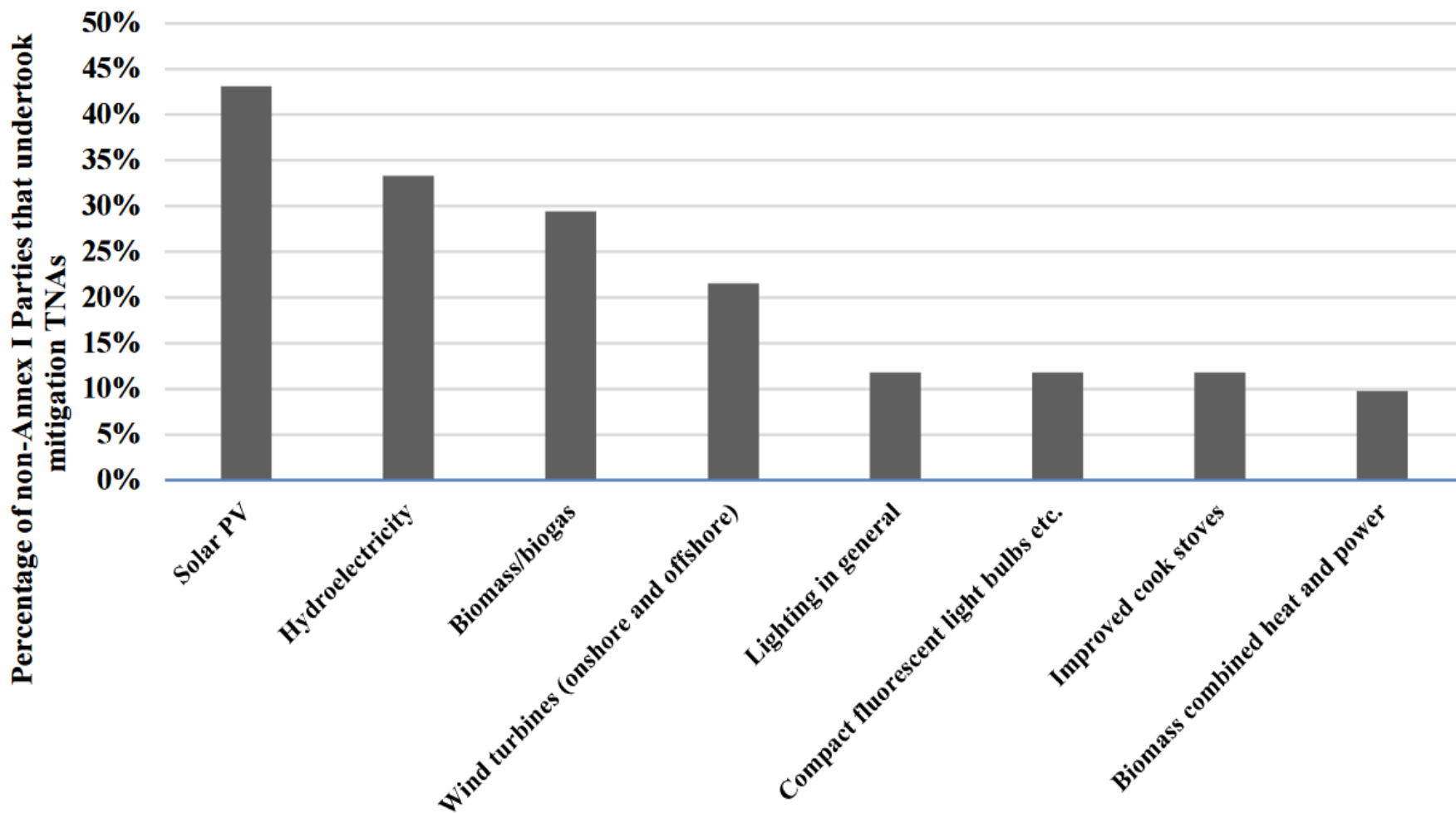
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### Prioritized sectors for adaptation reported in Parties' technology needs assessment reports



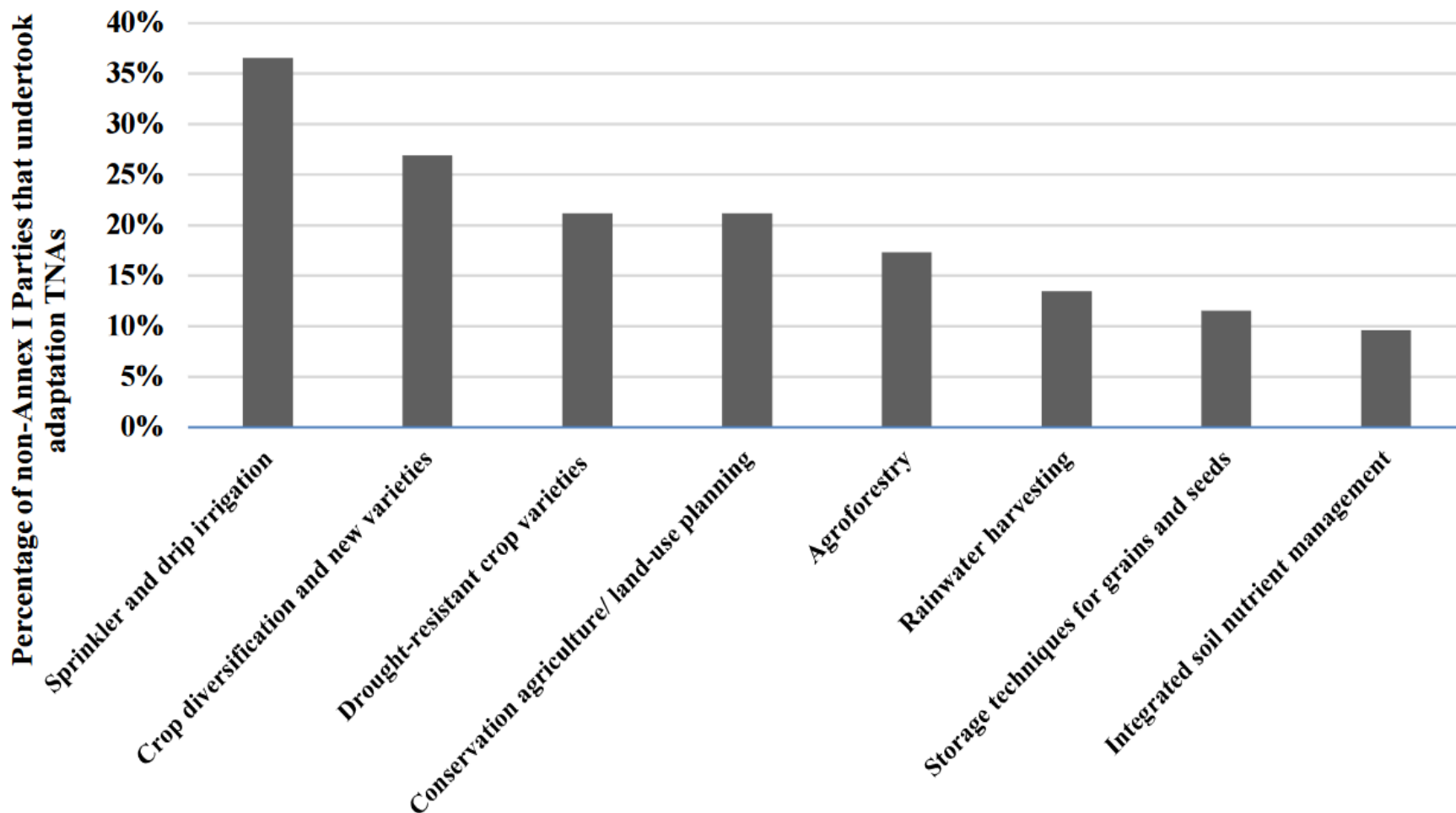
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### Prioritized technologies for the energy industries subsector reported in Parties' technology needs assessment reports



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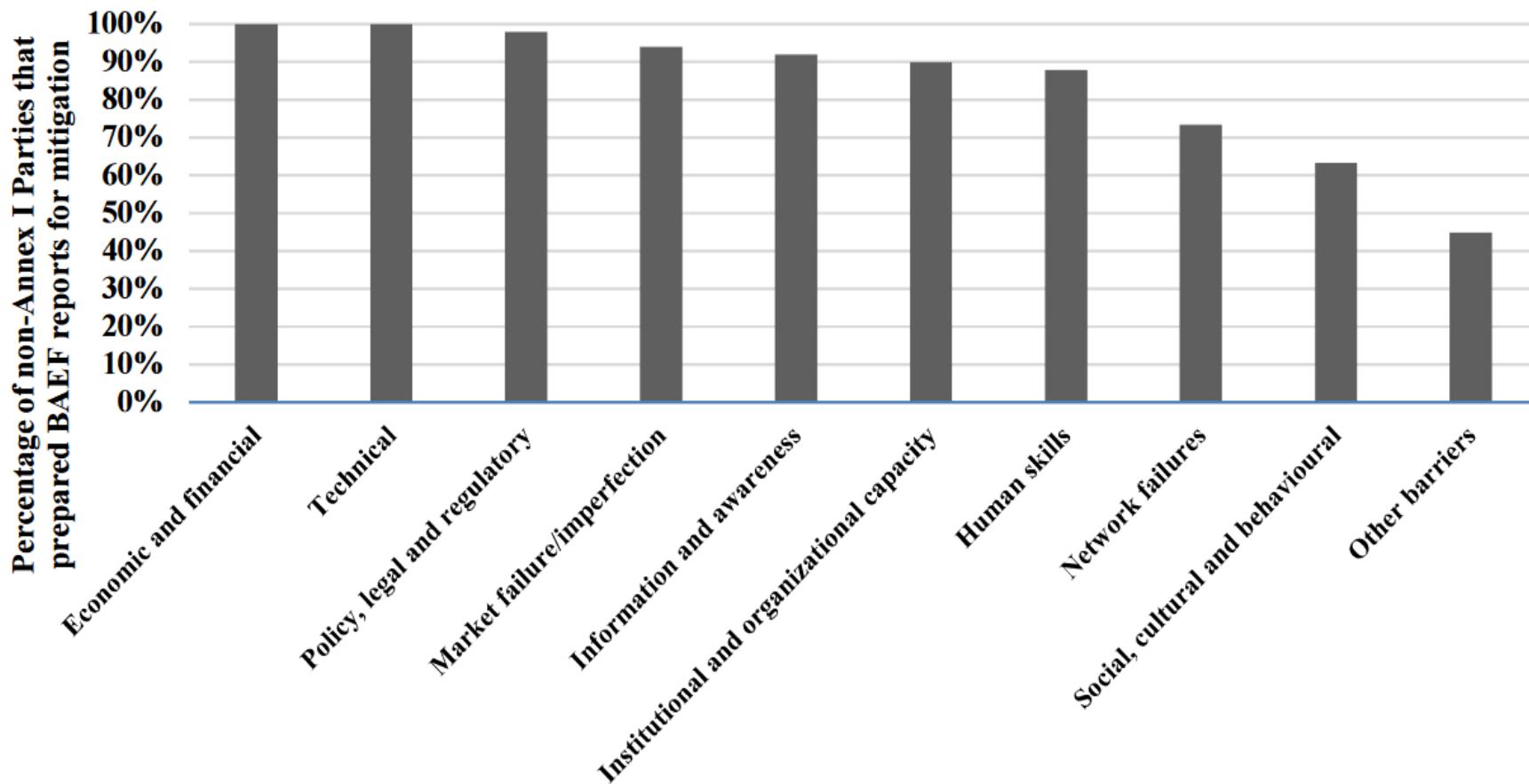
### Prioritized technologies in the agriculture sector reported in Parties' technology needs assessment reports





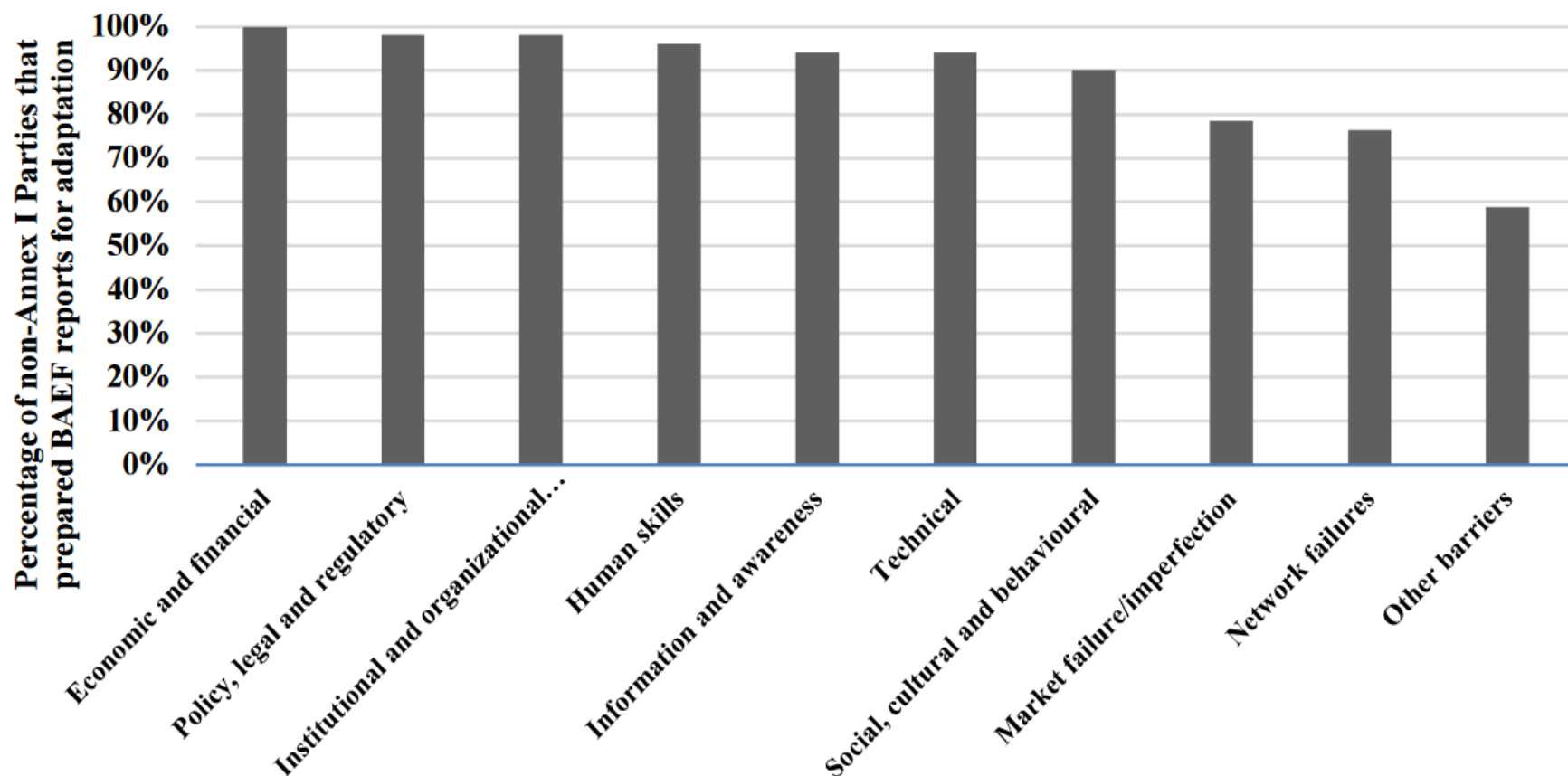
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### Overview of barriers to technologies for mitigation identified in Parties' barrier analyses



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### Categories of barriers to adaptation identified in Parties' barrier analyses



### **Technology Action Plans:**

- Parties summarized enablers in TAPs, which are action plans consisting of a group of measures to address identified barriers to the development and transfer of prioritized technologies.
- TAP were applied at the following levels:
- (a) National (e.g. national emission reduction of 30 per cent by 2030);
- (b) Sectoral (e.g. 30 per cent share of renewable energies in electricity generation by 2030);
- (c) Technology (e.g. research and development of the technology for use in local conditions).



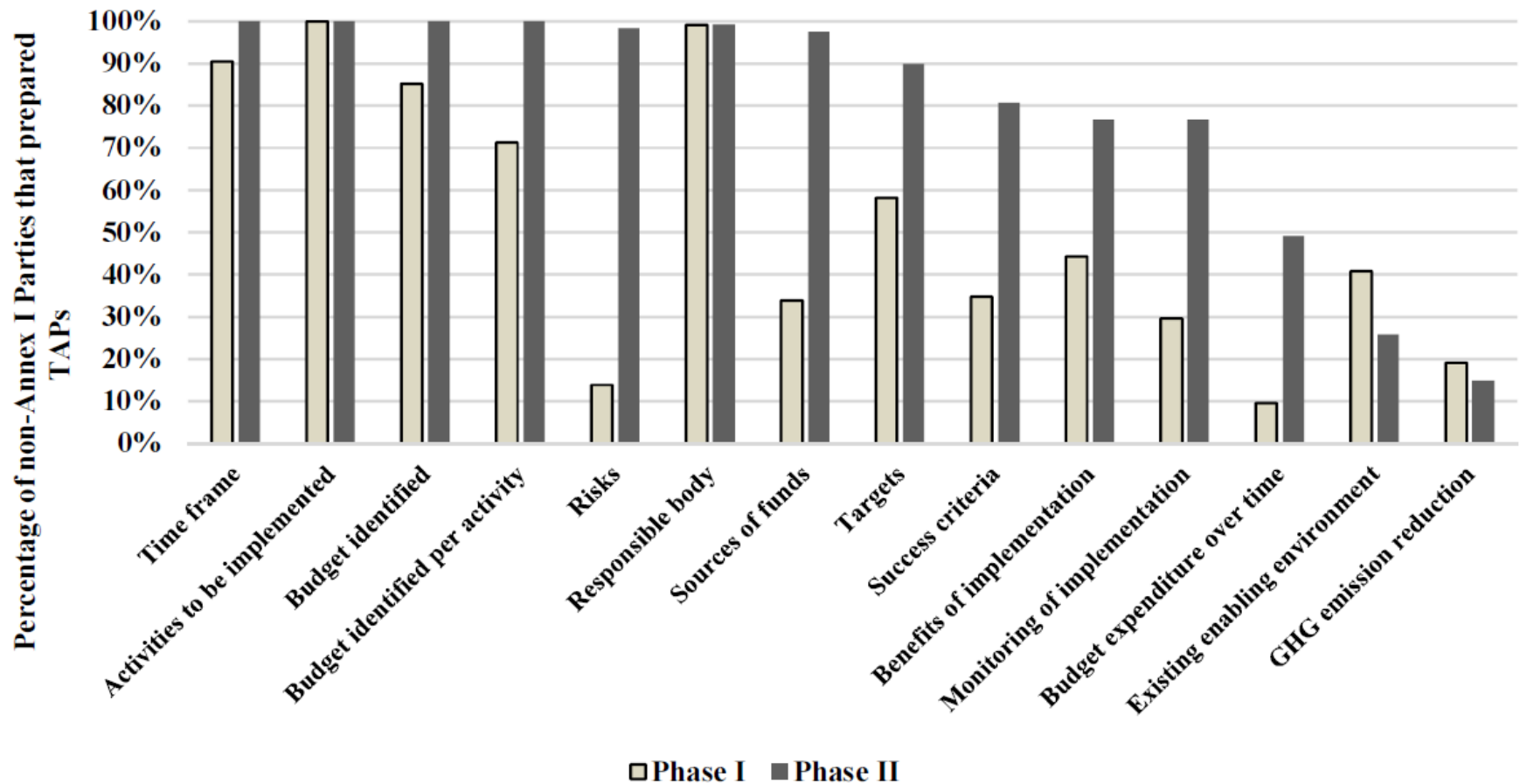
## **Technology Action Plans:**

- 640 individual TAPs were developed by Parties:
  - 53% for adaptation technologies,
  - 47 % for mitigation technologies.
- TAPs were submitted by 94% of the Parties for their prioritized technologies for mitigation or adaptation.
  - 92% submitted TAPs for adaptation,
  - 89% submitted TAPs for mitigation.
- TAP measures were categorized as:
  - Economic and financial; Infrastructure; Information and awareness; Institutional and organizational capacity; Policy, legal and regulatory; Research and development;



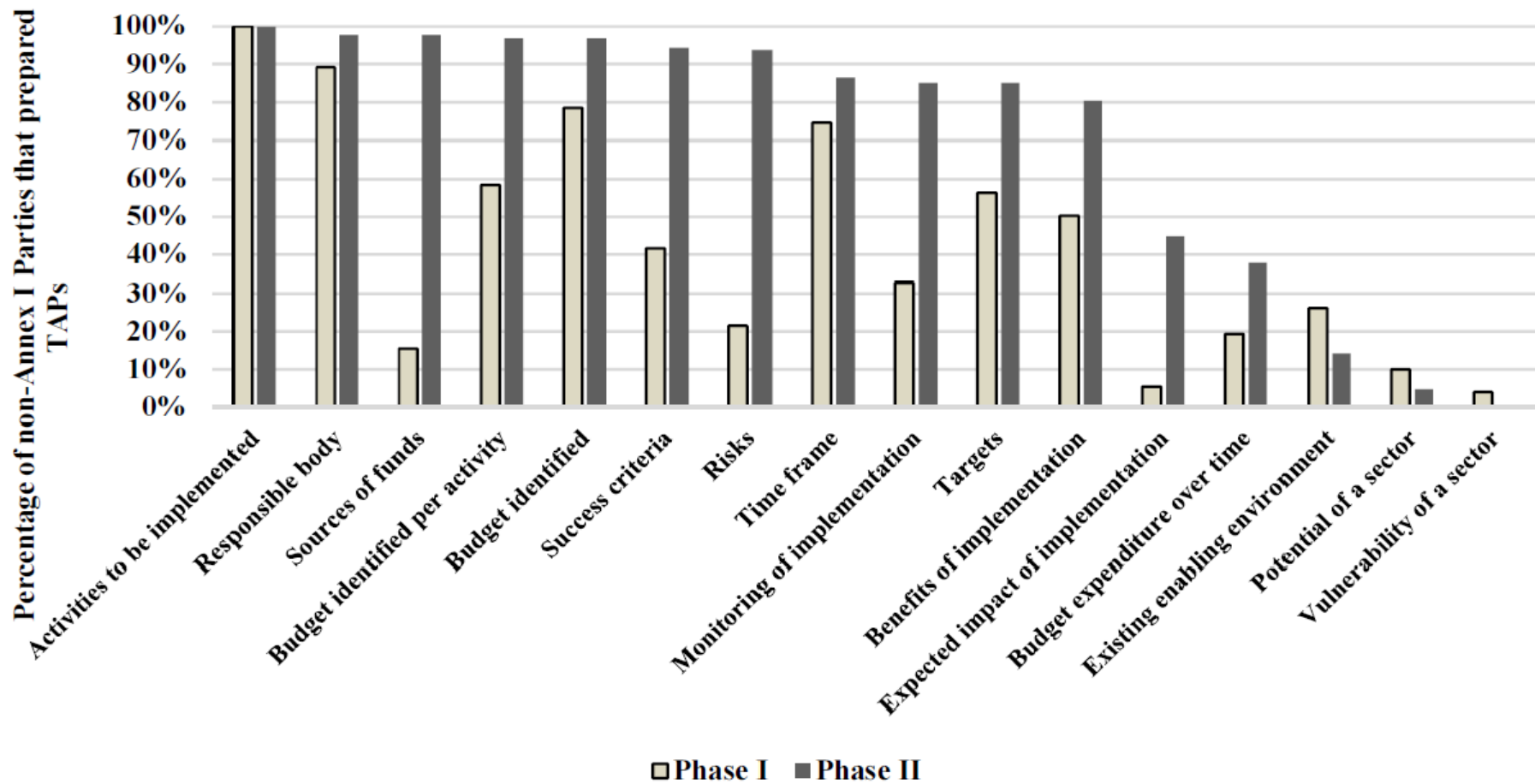
## Technology Action Plans:

Common elements of technology action plans in phases I and II – mitigation



## Technology Action Plans:

Common elements of technology action plans in phases I and II – adaptation



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- The report covers one of several periods of the TNA process (2006-2017), which started in 1999. At the moment the TNA global project **supports the work of the Least Developed Countries and Small Island Developing States**. More than 20 LDCs are currently working on their TNA reports, and another 18 LDCs and SIDS will initiate their TNA processes in 2021/22.
  - In 2022, almost half of the world's countries will have undertaken the TNA process to identify their respective climate technology needs.
  - The fourth TNA synthesis report is available at <https://unfccc.int/documents/218506>.
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Thank you

