



## Technical Note on linking SEEA and TSA: Draft Outline

UNWTO Committee on  
Statistics and TSA

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## Background to SEEA Technical Notes

- SEEA Central Framework released in 2012 with many components and accounts (incl. water, energy, emissions, waste, timber, environmental expenditures, etc)
- SEEA CF only provides conceptual definitions and scope, limited focus on measurement and reporting
- 2013 proposal to draft relatively short Technical Notes to summarise concepts, outline “core” tables and indicators, describe measurement approaches and advice
- Renewed motivation in relation to SDG indicators
- SEEA Technical Notes are currently being finalised for water, energy, air emissions, land, material flows, environmental protection expenditure and the environmental goods and services sector

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## Technical Note for SEEA and TSA

- MST in part motivated by potential to link SEEA and TSA as accounting frameworks to aid understanding of sustainable tourism
- Possible connection described in 2013 SEEA Applications & Extensions and demonstrated for some countries (e.g. Canada, Italy)
- MST now has a broader framing (beyond only economy and environment) but a core part remains linking SEEA and TSA
- Given SEEA and TSA are established frameworks, considered that a Technical Note describing the connections would be feasible in short term
- Strong support from UNSD and UNCEEA

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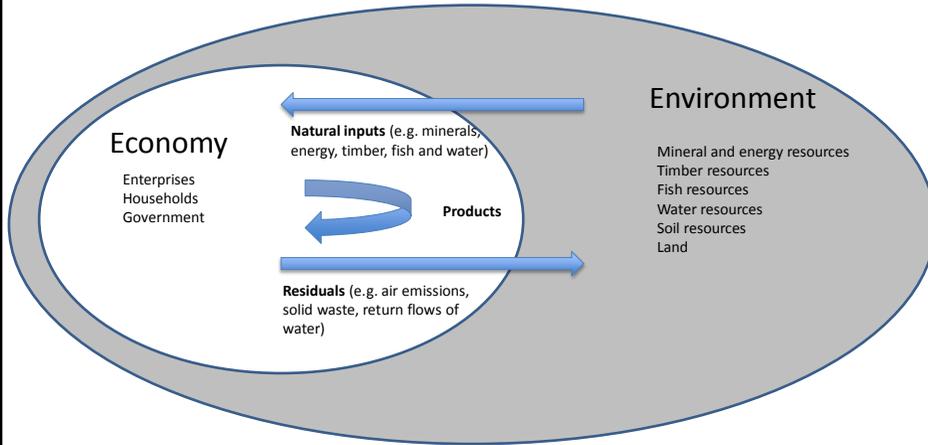
## The Draft Outline

- Chapter 1: Introduction : Motivation and context
- Chapter 2: Integrating SEEA and TSA
  - Key features of TSA and SEEA
  - Potential areas for integration – flows, stocks and ecosystems
- Chapter 3: Core accounts for tourism industries
- Chapter 4: Combined presentations and indicators
- Chapter 5: Compilation and measurement (following the GSBPM)
- Chapter 6: Extensions and further development

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# Physical flows in the SEEA



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	Industries	Households	Accumulation	Rest of the world	Environment	Total
<b>Supply table</b>						
Natural inputs					Flows from the environment	Total supply of natural inputs
Products	Output			Imports		Total supply of products
Residuals						Total supply of residuals
<b>Use table</b>						
Natural inputs	Extraction of natural inputs					Total use of natural inputs
Products	Intermediate consumption	Household final consumption	Gross capital formation	Exports		Total use of products
Residuals						Total use of residuals

	Industries	Households	Accumulation	Rest of the world	Environment	Total
<b>Supply table</b>						
Natural inputs					Flows from the environment	Total supply of natural inputs
Products	Output			Imports		Total supply of products
Residuals	Residuals generated by industry	Residuals generated by final household consumption	Residuals from scrapping and demolition of produced assets			Total supply of residuals
<b>Use table</b>						
Natural inputs	Extraction of natural inputs					Total use of natural inputs
Products	Intermediate consumption	Household final consumption	Gross capital formation	Exports		Total use of products
Residuals	Collection & treatment of waste and other residuals		Accumulation of waste in controlled landfill sites	Residual flows direct to environment		Total use of residuals

## Observations and Next steps

- Structure slightly different from other SEEA Technical Notes since covers a variety of statistical areas
- Finalisation will need to take into account developments in the drafting of the Statistical Framework for MST
- Next steps
  - Update outline based on Committee feedback
  - Intention to provide first draft around April for presentation at the International Conference
  - Will utilise MST research program outputs and will be input to drafting the Statistical Framework



## Thank you!

Looking forward to your ideas,  
suggestions and inputs!

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