Area C
Overview of progress on SDMX/DSDs

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Governance of SDMX for SEEA

- *A governance is needed to create, maintain and publish global DSD standards*
- *In December 2016 the governance of the SDMX for SEEA was taken over by the SDMX macroeconomic statistics ownership group*
  - **This is the same group in charge of the SDMX governance for national accounts.**
  - **UNCEEA remains owner of the contents (SEEA)**
- *This step made things much faster than creating our own governance structures and strengthened links with national accounts*

Technical sub-group developing DSDs

- *SDMX MES-OG created a technical-subgroup to develop DSDs for the 5 SEEA priority accounts*
- *Composition:*
  - **OECD, Eurostat, FAO, UNSD, UNECE, UNEP**
  - **Meetings in June, July and September 2017**
- *Tasks:*
  1. **Identify SEEA flows for priority accounts**
  2. **Develop data model, dimensions, attributes**
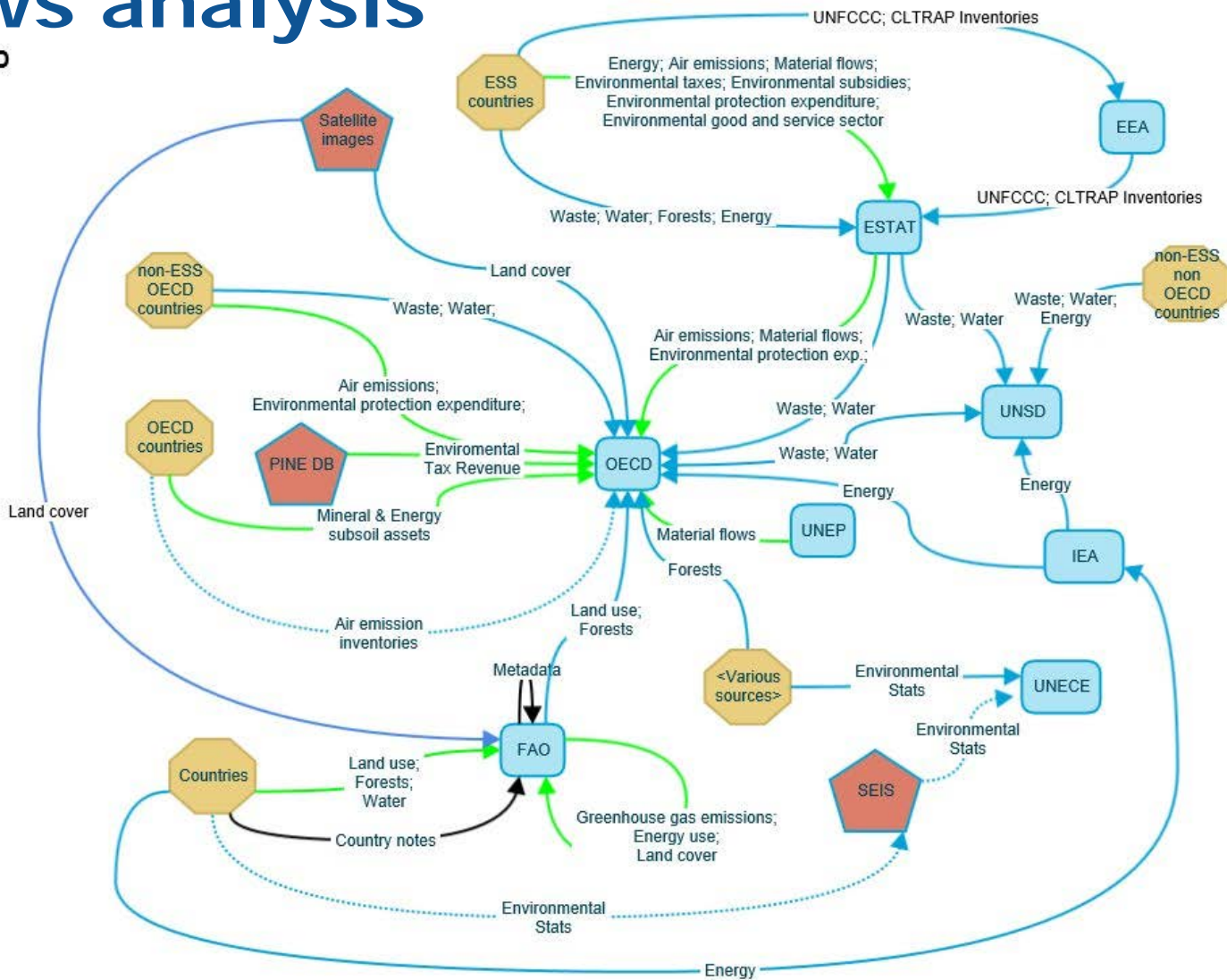 3. **Develop code lists**

Data flows analysis

SEEA data model: the matrix

Accounts	SDMX DSD Matrix / Dataset	DEMAND_PROD	ACCOUNTING_ENTRY	COUNTERPART_AREA	INTERACTORS	BRIDGE_ITEM	AIRPOL	MATERIAL	WATER_FLOWS	ENERGY_FLOWS	STO	LAND_COVER	LAND_COVER_TO	LAND_USE	LAND_USE_TO	UNIT_MEASURE	UNIT_MULT	PRODUCT	SECTOR	Source Table/Questionnaire description
Air emissions	VENVPFLA_AEA_A	P	EC	W2	#	#	#				_Z	T, TSO2E, TCO2E, TNO2E				%	_T	S1	Air Emissions Accounts (collection)
	VENVPFLA_AEA_A (Diss)	P	EC	W2	#	#	#				_Z					%	%	_T	S1	Air Emissions Accounts (dissemination)
	Emissions by industries	P	EC	W2	%	#	%				_Z					TCO2E	3	_T	S1	
	Emission intensities	P	EC	W2	non-HH	RES	#				%					%	-3, -6	_T	S1	STO in (P1, B1G)
	(ESTAT) Emissions induced by final use o	D	EC	%	%	TER	#				%					%		#	%	Counterpart area in (W0, W1, W2), sector in (S1, S13,S1
	(FAO) Emission by product	P	EC	W2	_Z	TER	_T				_Z	KG of CO2E by KG of Product					3	#	S1	
Energy	Eurostat energy accounts	P	%	%	#	%				#	%					TJ		_T	S1	
	Energy footprints	D	C	%	%	TER				_T	%					%		#	%	
MFA	VENVPFLA_MFA_A	P	%	%		%		#			%					T, TRME	0	_T	%	Economy-wide material flow accounts (EW-MFA)
	Material Footprints (RME)	D	%	%		TER		%			%					TRME	0	%	%	
Water	SEEA water accounts, PSUT	P	%	%	%	(TER)			#		(_Z)					M3	6?			according to SEEA water technical note, Physical Supply
Land	Physical account for land use	P	%								%			#	_T	%				SEEA AFF
	Land use change matrix	P	%								%			#	#	%				conceptual item, not yet existing
	Physical account for land cover	P	%								%	#	_T			HA	0			SEEA table 5.13 - includes changes in land use, monetary
	Land cover change matrix	P	%								%	#	#			HA	0			SEEA table 5.14 - Land cover change matrix

FLOWS

Legend:

\# ... Code list fully used in concept

%... Code list partly used in concept (see detailed sheet)

(blank) ... Concept not used in table

(code) ... fixed single code from code list

Some principles for SEEA DSDs data model

- *Based on SNA DSDs but adapted and extended*
- *Stocks vs flows*
  - **Flows according to physical supply-use table**
  - **Stocks according to balance sheet**
- *Added to SNA flows 'env$\rightarrow$ economy' and 'economy$\rightarrow$ env'*

  (SNA is only 'economy$\rightarrow$ economy')

- *Added to SNA production-based vs demand-based ('footprints')*

Guidelines

- *Documentation of data model*
- *Code lists*
- *Detailed coding instructions*

Pilot review phase

- *This is standard procedure for SDMX projects*
- *SEEA DSDs pilot review launched in May 2018*
- *Public review open to everybody (link to pilot)*
- *Two phases:*
  - **A content review: material is understandable, well-designed, and that it covers the scope of the project**
  - **A technical review: test implementation and efficiency**
- *Deadline: 31 July. Can be extended if needed*
- *Afterwards: DSDs to be finalised and published in SDMX Global Registry*

Thank you!

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