

Ecologic Institute

Science and Policy  
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# Opportunities and risks streamlining planning and reporting

The Energy Union

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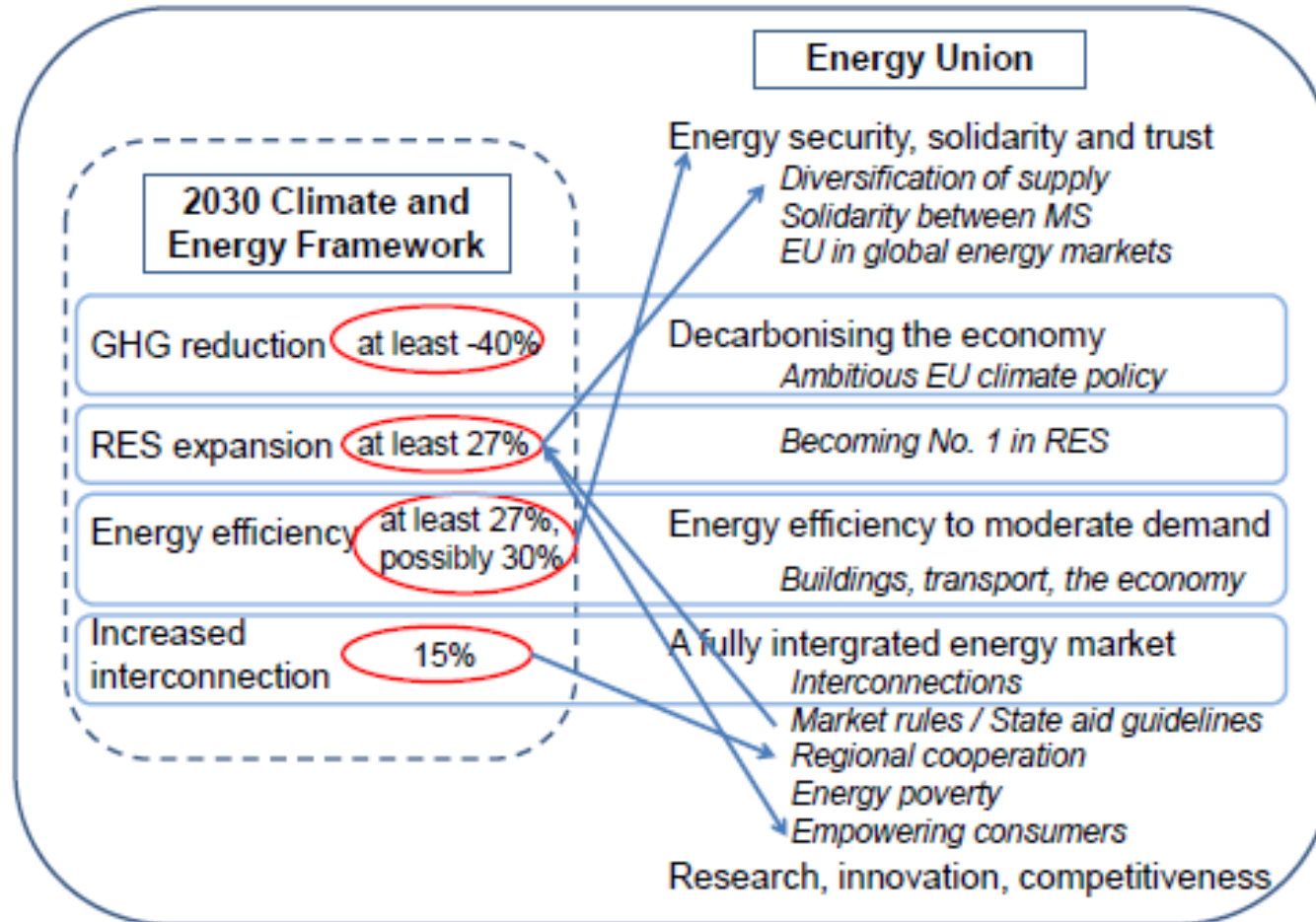
UNECE Working Group on Environmental Monitoring and  
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# Overview

- 1) The objectives of the Energy Union**
- 2) Good governance principles guiding the streamlining process**
- 3) Gaps and overlaps in the existing planning and reporting requirements**
- 4) Four concrete options for streamlining**
- 5) Multi-criteria analysis**
- 6) Conclusions**

# Energy Union: Objectives and targets



Source: Ecologic Institute

## Good governance principles

<b>Effectiveness</b>	EU climate and energy targets for 2030 are met.	<b>Certainty</b>	Clear commitment to implementation of targets is credible.
<b>Accountability</b>	Enforceability is ensured, incl. course correction & independent expert review.	<b>Coherence</b>	Climate and energy policies are coherent accross sectors.
<b>Transparency</b>	All interested party have access to docs.	<b>Lower admin burden</b>	Number of plans and reports is reduced. Implementation is feasible.
<b>Legitimacy</b>	All relevant stakeholders can participate.	<b>Adaptability/ flexibility</b>	Elements can be adapted to changing circumstances.

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## Elements of a ideal-type plan

1. Objective
  2. Target
  3. Reference scenario
  4. Planned measures, incl. expected impact
  5. Projections with measures
  6. Supporting indicators
- Example: National renewable energy action plans

# Inventory of planning and reporting acquis

	Legal basis	Objective/ target	MS plan				MS report	EU report	Sectors	Technologies
			Name	Template	Projections	Measures				
GHG	ETS Dir. 2009/29	-20 %	No, only optional plans for Art. 10c	No	No	No	Yes, on auctioning rules	COM, annual	Power, industry, aviation	Fossils, planes
	ESD Dec. 406/2009		Yes, under MMR	No	Yes, under MMR	Yes, under MMR	Yes, under MMR	Under MMR	Buildings, agriculture transport	RES, heating, insulation, vehicles, husbandry, fertiliser
	MMR Reg. 525/2013		PAMs, 2-yearly	Yes	GHGs	Yes	NIRs, annual	COM to UNFCCC	All	All
			LDCS	No	No	Yes	Yes, 2-yearly	COM to UNFCCC	All	All
LULUCF Dec. 529/2013	planned	Planned actions, annual as of 2016	No	LULUCF removals and emissions	Yes	Yes	Optional, review in 2017	Forestry, agriculture	Land management	
EE	EED Dir. 2012/27	-20%	NEEAPs, 3-yearly	Yes, non binding	Yes for indicator used for EE target	Yes	Yes, annual	Review 2014, reports on single art.	All	All energy using technologies
	EPBD Dir. 2010/31		Yes, Zero energy bldgs plans	No	No	Yes	Yes, can be in EED reports	COM, 3-yearly	Buildings	Heating, cooling, insulation
	Eco-design Dir. 2009/125		No	No	No	No	No	No, review in 2012	Households	Appliances
	Cars & Vans Reg. 333+253/2014		(95/ 147g CO <sub>2</sub> /km)	No	No	No	No	No	COM, annual	Transport
RES	RED Dir. 2009/28	20%	NREAP	Yes, binding	Final energy cons. /RES expansion	Yes	Yes, 2-yearly	Yes, 2-yearly	Power, bldgs, transport	RES-E, RES-H/C, RES-T, power grids
IEM	Interconnection EUCO 03/2002	10%	No	No	(TYNDP)	(PCIs)	NRA Monitoring, annual	COM Single Market Progress Report	Power, gas	Power grids, RES-E, fossils, nuclear
	Market Rules Dir. 2009/72+73 ACER Reg. 713/2009	No	No	No	No	NRA Monitoring, annual	COM Single Market Progress Report, ACER Monitoring Report, annual			
	REMIT Reg. 1227/2011	Complete IEM by 2014	No	No	No	No	(Market participants data)	ACER Monitoring Report, annual	Power	Power grids, RES-E, fossils, nuclear
	ENTSO-E Reg. 714/19		TSOs provide national TYNDP	No	Scenarios on future generation	No	No	TYNDP by ENTSO-E, annual	Energy sector, transport	All
State Aid guidelines Com. 2014/C200/01 Reg. 794/2004	No		No	No	No	Yes, annual	COM synopsis ("Scoreboard"), annual			
SoS	SoS gas Reg. 994/2010	Ensure SoS	Emergency Plan, 2-yearly	No	Risk assessment	Yes	No separate reporting	COM Assessment, annual	Buildings, power	Gas grids, gas supply
	SoS electricity grids, Dir. 2009/72		No	No	Expected future demand & capacity	No	Yes, NRA or gvt. 2-yearly	No	Power	Electricity grids
	Crude oil/ petrol Dir. 2009/119		No	No	No	If stocks <30 day supplies	Reporting on stocks	COM data summary	Transport, buildings, chem. industry	Oil supply

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## Overlaps in the existing P&R requirements

- ▶ Underlying data and scenarios used to comply with P&R under MMR, RED, EED
- ▶ Reporting of policies and measures under MMR, RED, EED
- ▶ Reporting on grid extension and grid integration of RES under RED and Electricity Directive
- ▶ Monitoring of future supply and demand under Electricity and Gas Directives overlaps with NREAPs and NEEAPs
- ▶ Future overlaps with security of supply legislation likely

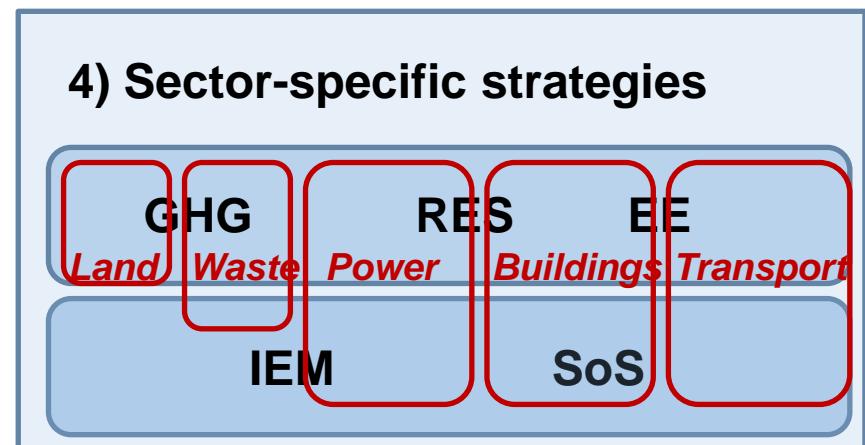
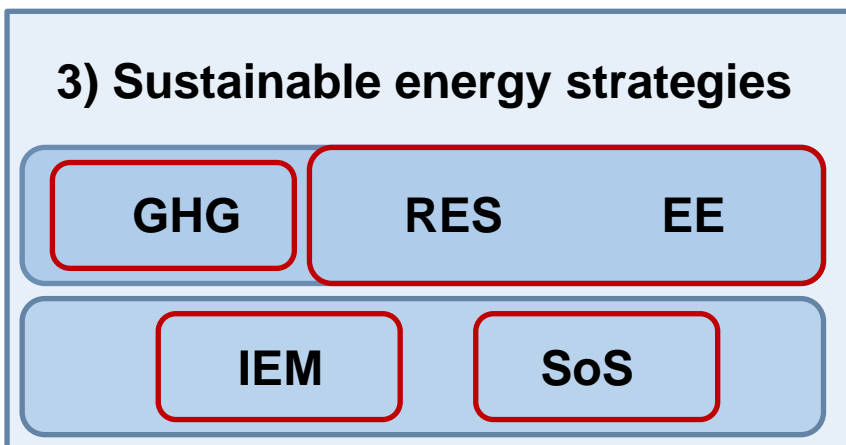
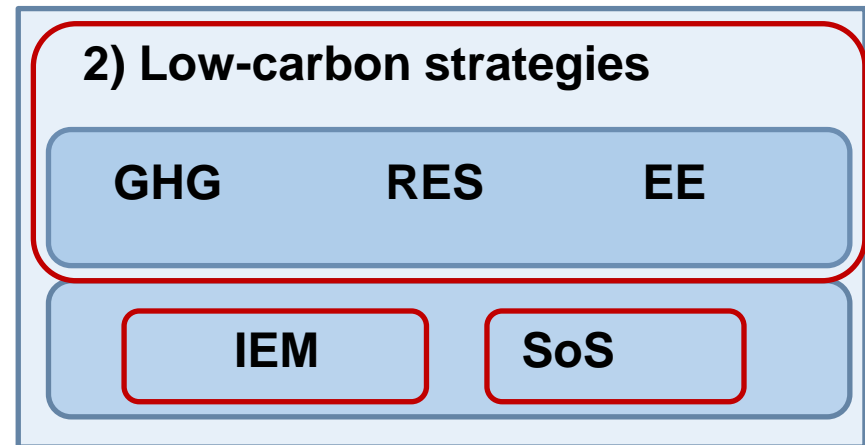
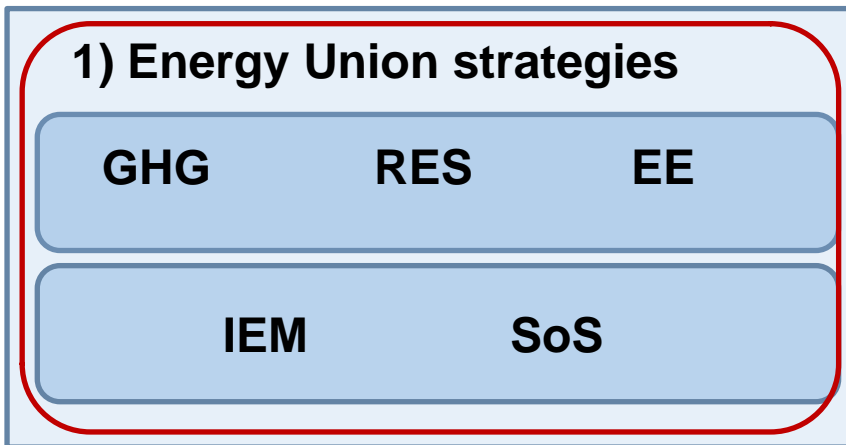
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## Gaps in the existing P&R requirements

- ▶ Formalised ex-ante planning is most prevalent in energy efficiency and RES policy
- ▶ Strategic planning on how to achieve the non-ETS target is missing so far
- ▶ At Member State level, there is no strategic planning for achievement of the interconnection target
- ▶ Detailed binding templates are the exception rather than the rule



# Four concrete options of streamlining



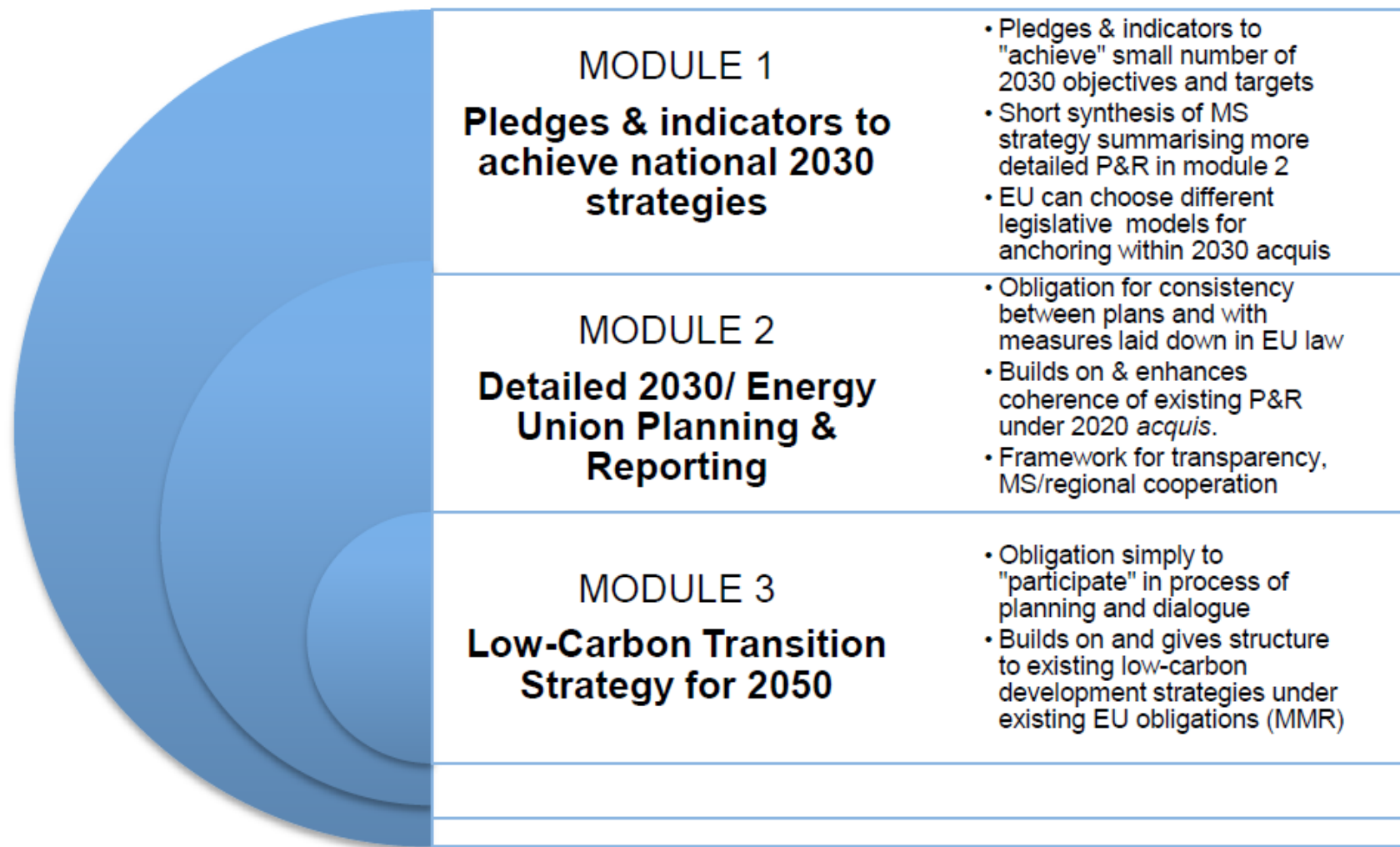
# Multi-criteria analysis of four options

	Energy Union strategies	Low-carbon strategies	Sustainable energy strategies	Sector-specific strategies
Coherence	Theoretically +++	++	+	+++
Consistency	Theoretically +++	++	+	++
Admin. burden	+++	++	+	-
Practicability	---	++	++	+
Effectiveness	--	++	++	Potentially +++
Accountability	--	++	++	- / +
Investor security	--	+	++	++
Overall	--	++	+	++

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## Conclusions

- ▶ There is significant potential for rationalising and condensing existing P&R and improving consistency.
- ▶ Overlaps exist within the 2030 package, but increasingly also with P&R on internal market and security of supply.
- ▶ *But:* Replacing the existing P&R requirements by only one plan and report would endanger good governance.
- ▶ A workable solution could be a modular approach combining high-level strategies with detailed chapters.
- ▶ A no-regret option: Unifying scenario work.



Source:  
IDDRI &  
Ecologic  
Institute

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**Thank you.**

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