

The ARTS quick-scan methodology

ARTS – Assessment of Regional and Territorial Sensitivity

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Brussels, June 2012



ESPON ARTS

The Challenge

- EU policy proposals influence development of regions
- with often unintended and / or unknown effects

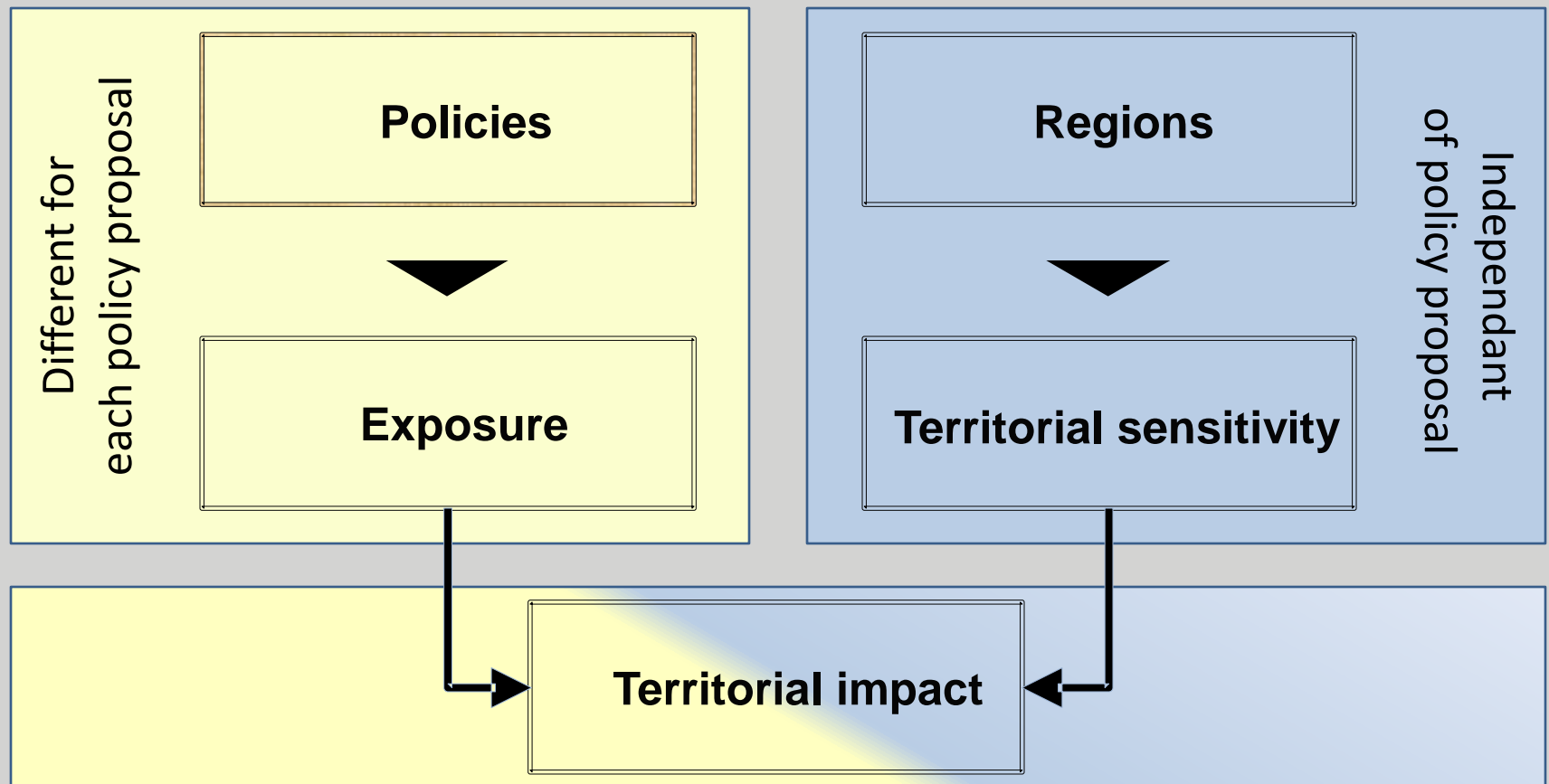
Task ESPON ARTS

- Develop a simplified, evidence-based procedure of an ex ante Territorial Impact Assessment (TIA)

Our approach

- To develop a “quick and dirty” TIA-check
- To combine expert knowledge
+ an Excel tool and standardised indicators
- To show results in maps (NUTS 2 level)

The vulnerability concept

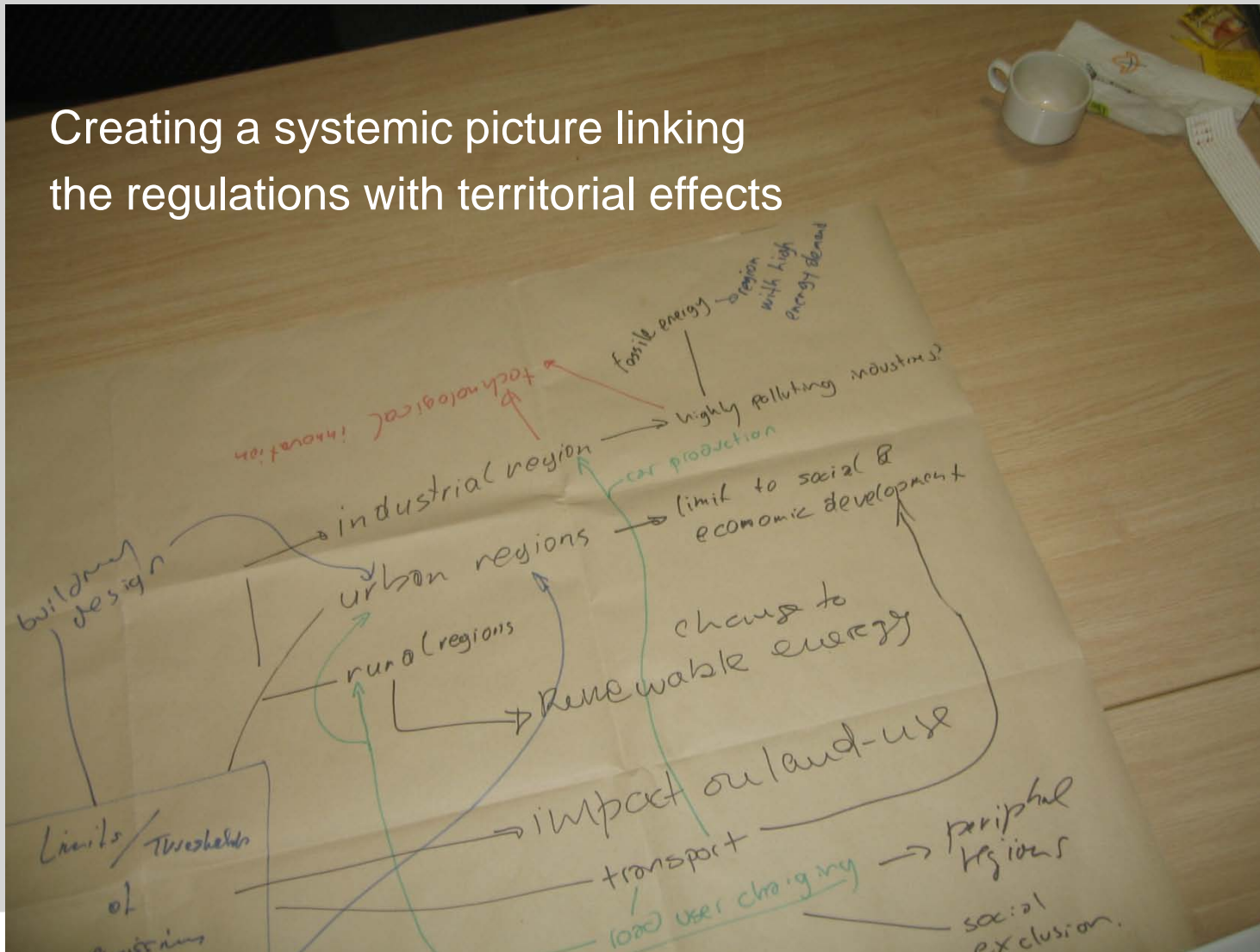


TIA quick check in 9 Steps

- (1) Brainstorming for the conceptual model:
How does a directive affect the development of regions?
- (2) Dealing with discrete cause/effect chains
- (3) Which types of regions are affected?
- (4) What is the intensity of exposure on different fields?
- (5) What is the territorial impact on regions?
- (6) Do the results make sense?
- (7) Which regions are affected in which fields? (maps)
- (8) What are the policy implications?
- (9) How to communicate the results?

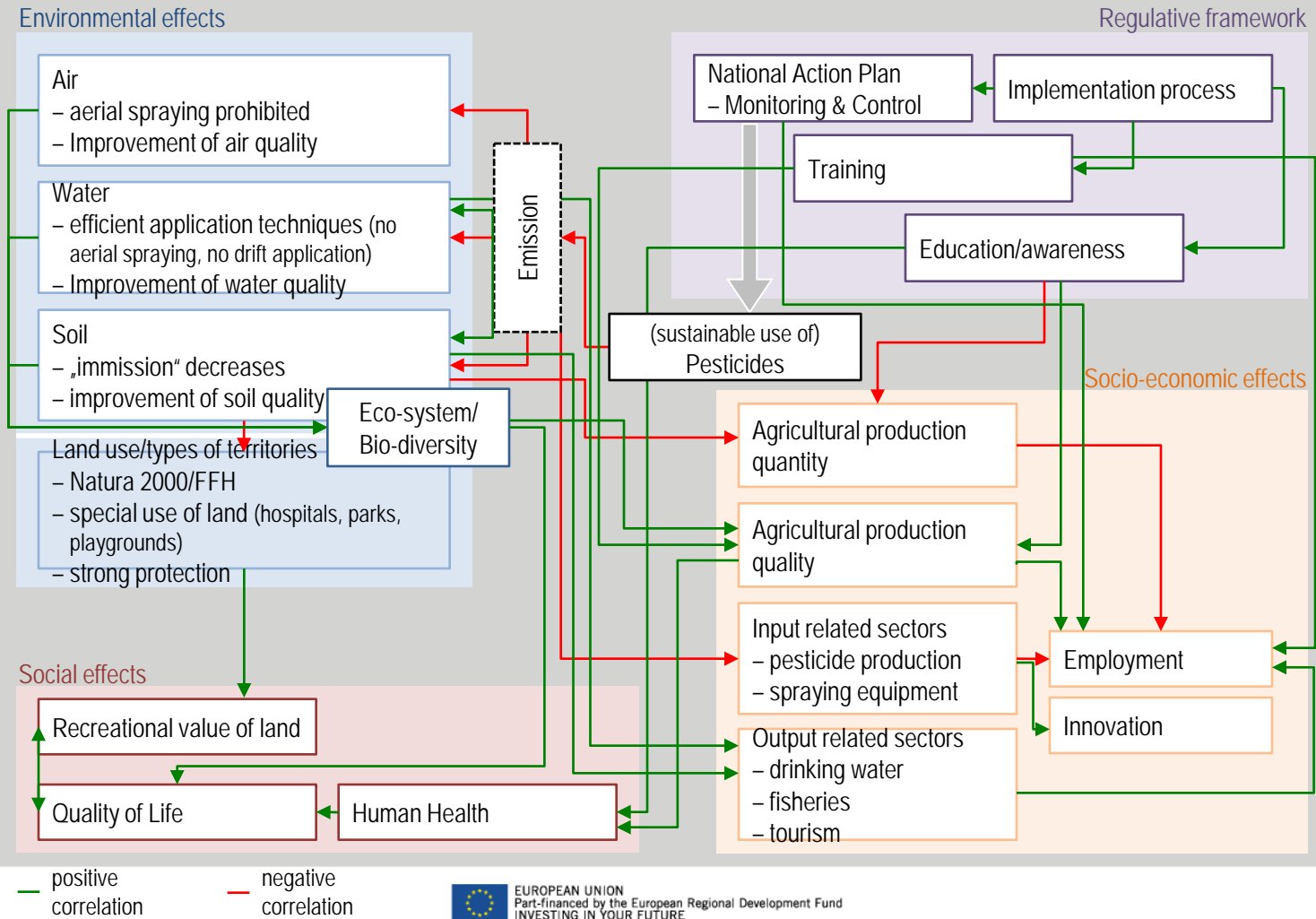
(1) Conceptual model: Brainstorming

Creating a systemic picture linking the regulations with territorial effects



(1) Result: Conceptual Model

Deducing potential effects from Directives



TIA quick check in 9 Steps

- (1) Brainstorming for the conceptual model:
How does a directive affect the development of regions?
- (2) Dealing with discrete cause/effect chains (branching)
- (3) Which types of regions are affected? (regional exposure)
- (4) What is the intensity of exposure on different fields?
- (5) What is the territorial impact on regions?
- (6) Do the results make sense?
- (7) Which regions are affected in which fields?
- (8) What are the policy implications?
- (9) How to communicate the results?

(3) Expert judgment: types of regions exposed

Directive XX affected region	
	Agglomerated
	All regions
	Chemical industries
	Harbour regions
	High density of rail
	High density of road
a	Industrial regions
	Major airport location
	Natural areas
b	Rural
	Shrinking regions
	Unprofitable farming
	Urban

Provided:
20 types of regions (NUTS2)
to be selected

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How does a directive affect the development of regions?
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- (3) Which types of regions are affected?
- (4) What is the intensity of exposure on different fields?
(exposure matrix)
- (5) What is the territorial impact on regions?
- (6) Do the results make sense?
- (7) Which regions are affected in which fields?
- (8) What are the policy implications?
- (9) How to communicate the results?

(4) Expert judgment: exposure caused by Directive

	A	B	D	E	F	G	
2	Directive on Air quality		Soil			Water	
3			erosion	pollutants in soil	share of artificial areas / soil sealing	water consumption	
4			Directive XX affected region		F1	F2	F3
16	a	Industrial regions	no/minor effect	decrease	unknown	unknown	dec
17		Major airport location			strong increase		
18		Natural areas			increase		
19	b	Rural			no/minor effect		
20		Shrinking regions			decrease		
21		Unprofitable farming			strong decrease		
22		Urban			unknown		
23		Wealthy regions					
24		PM10					

41 thematic fields

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- (4) What is the intensity of exposure on different fields?
- (5) What is the territorial impact on regions?**
- (6) Do the results make sense?
- (7) Which regions are affected in which fields?
- (8) What are the policy implications?
- (9) How to communicate the results? (write-up)

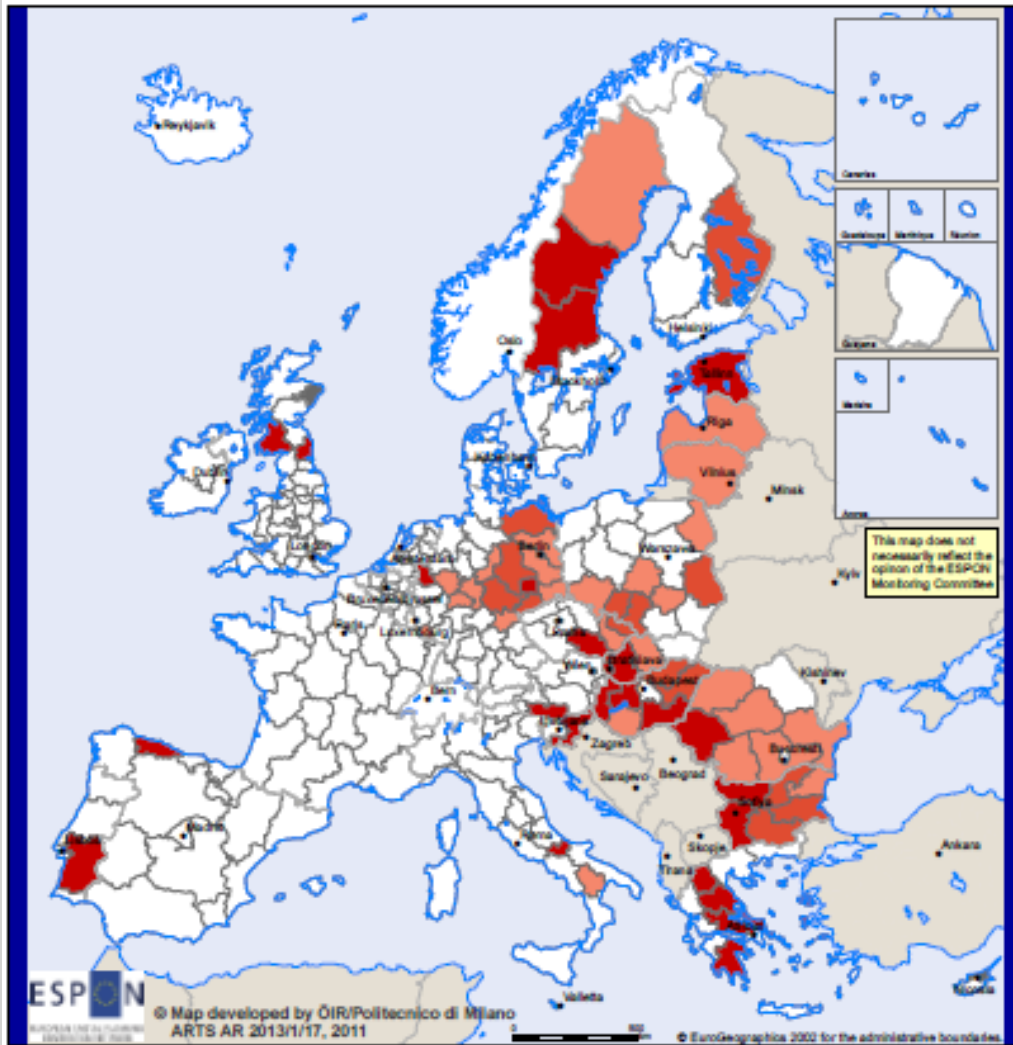
(5) What is the territorial impact on regions?

Result of the Excel tool

		E1	E2	E3	E10	E11	E12	E13	E14
AT11	Burgenland	0,00	0,00	0,00	0,00	0,00	0,00	na	0,00
AT12	Niederösterreich	0,00	0,00	0,00	0,00	0,00	0,00	na	0,00
AT13	Wien	0,00	0,00	-1,06	-0,77	0,00	0,78	na	1,79
AT21	Kärnten	0,00	0,00	0,00	0,00	0,00	0,00	na	0,00
AT22	Steiermark	0,00	0,00	0,00	0,00	0,00	0,00	na	0,00
AT31	Oberösterreich	0,00	0,00	-0,77	-0,78	0,00	0,81	na	1,78
AT32	Salzburg	0,00	0,00	-0,76	-0,99	0,00	0,80	na	1,74
AT33	Tirol	0,00	0,00	0,00	0,00	0,00	0,00	na	0,00
AT34	Vorarlberg	0,00	0,00	0,00	0,00	0,00	0,00	na	0,00
BE10	Région de Bruxelles-Capitale	0,00	0,00	0,00	0,00	0,00	0,00	na	0,00
BE21	Prov. Antwerpen	0,00	0,00	0,00	0,00	0,00	0,00	na	0,00
BE22	Prov. Limburg (B)	0,00	0,00	0,00	0,00	0,00	0,00	na	0,00
BE23	Prov. Oost-Vlaanderen	0,00	0,00	0,00	0,00	0,00	0,00	na	0,00
BE24	Prov. Vlaams Brabant	0,00	0,00	0,00	0,00	0,00	0,00	na	0,00

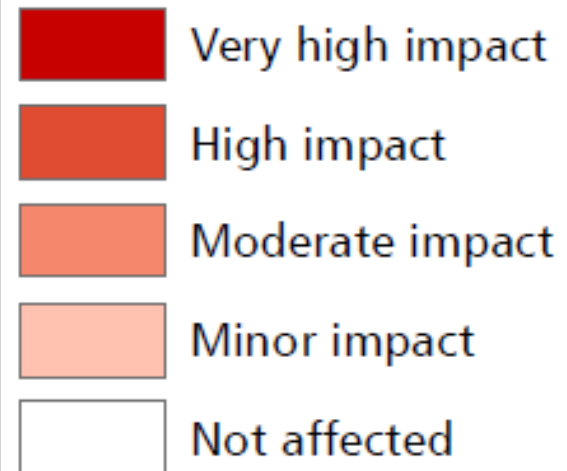
	very high positive impact		minor negative impact
	high positive impact		moderate negative impact
	moderate positive impact		high negative impact
	minor positive impact		very high negative impact
	no exposure		

(7) Result: Map for each indicator




Effects of Directive on recognition of qualification on migration balance in countries of origin

Negative Impact



TIA quick check in 9 Steps

- (1) Brainstorming for the conceptual model:
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 - (3) Which types of regions are affected? (regional exposure)
 - (4) What is the intensity of exposure on different fields?
 - (5) What is the territorial impact on regions? (Territorial Impact Matrix)
 - (6) Do the results make sense? (plausibility and quality check)
 - (7) Which regions are affected in which fields? (mapping the results)
 - (8) What are the policy implications?
 - (9) How to communicate the results? (write-up)
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TIA Quick Check in 2 versions

A Standard version and an Advanced version

The standard TIA quick check:

- Helps to identify the relevant fields
- Shows NUTS2 regions with a potentially high impact
- Helps to set a focus for more detailed impact analysis.

The TIA quick check

Standard Version

A methodology for a TIA ex-ante quick check
 ESPON ARTS aims to develop a tool by which to analyse the impact of EU legislation that takes the sensitivity of regions into account. The analysis of regional sensitivity to EU directives and policies is intended as a simplified, evidence-based procedure of Territorial Impact Assessment (TIA). This 'quick check' should be as simple, comprehensible and user-friendly as possible.

The advanced TIA quick check

- Provides the technical framework
- Allows users to define special indicators
- Can be used also for NUTS3 regions and beyond

Testing the TIA quick check

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