

Agenda item #2 Work plan: Status, progress and results

This segment seeks to review the Working Group's
work plan and its activities, the progress to date, the
achievements and any concerns

National assessment on member's readiness to produce indicators

...from global to regional panorama

...from regional to national panorama

15:
geospatial
data is
needed

The IAEG-SDG
WGGI has
reported on a
"Geospatial"
Shortlist

9:
geospatial
data can
support

**SDG
GEODATA
SHORTLIST**

	A:	B:
SDG	Geospatial data is needed	Geospatial data can support
1		1.1.1 (I)/ 1.4.2 (III)
2	2.4.1 (III)	
4		4.5.1 (I/II/III)
5		5.2.2 (II)/ 5.4.1 (II)/ 5.a.1 (III)/ 5.a.2 (III)
6	6.3.2 (III)/ 6.5.2 (III) / 6.6.1 (III)	
9	9.1.1 (III) / 9.c.1 (I)	
11	11.2.1 (II)/ 11.3.1 (II)/ 11.7.1 (II)	11.7.2 (III)
14	14.2.1 (III)/ 14.5.1 (I)	
15	15.1.1 (I)/ 15.1.2 (I)/ 15.3.1 (III)/ 15.4.1 (I)	15.4.2 (II)
TOTAL	15	9

Indicator





- 2.4.1 Proportion of agricultural area under productive and sustainable agriculture
- 6.3.2 Proportion of bodies of water with good ambient water quality
- 6.5.2 Proportion of transboundary basin area with an operational arrangement for water cooperation
- 6.6.1 Change in the extent of water-related ecosystems over time
- 9.1.1 Proportion of the rural population who live within 2 km of an all-season road
- 9.c.1 Proportion of population covered by a mobile network, by technology
- 11.2.1 Proportion of population that has access to public transport, by age, sex and persons with disabilities
- 11.3.1 Ratio of land consumption rate to population growth rate
- 11.7.1 Average share of the built-up area of cities that is open space for public use for all, by sex, age etc
- 14.2.1 Proportion of national Exclusive Economic Zones managed using ecosystem-based approaches
- 14.5.1 Coverage of protected areas in relation to marine areas
- 15.1.1 Forest area as a proportion of total land area
- 15.1.2 Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type
- 15.3.1 Proportion of land that is degraded over total land area
- 15.4.1 Coverage by protected areas of important sites for mountain biodiversity

Indicator

- 1.1.1 Proportion of population below the international poverty line, by sex, age, employment status and geographical location (urban/rural)
- 1.4.2 Proportion of total adult population with secure tenure rights to land, by sex and by type of tenure
- 4.5.1 Parity indices (female/male, rural/urban etc as data become available)
- 5.2.2 Proportion of women and girls aged 15 years and older subjected to sexual violence, by age and place of occurrence
- 5.4.1 Proportion of time spent on unpaid domestic and care work, by sex, age and location
- 5.a.1 a. Proportion of total agricultural population with ownership or secure rights over agricultural land, by sex; and (b) share of women among owners or rights-bearers of agricultural land, by type of tenure
- 5.a.2 Proportion of countries where the legal framework (including customary law) guarantees women's equal rights to land ownership and/or control
- 11.7.2 Proportion of persons victim of physical or sexual harassment, by sex, age, disability status and place of occurrence, in the previous 12 months
- 15.4.2 Mountain Green Cover Index








SHORTLIST Assessment

-  Possible to report or already being reported
-  Possible to develop: data integration needed or changes to current surveys
-  Very difficult to report, no current survey, no available method
-  Not relevant / Global data enough

Voluntary national assessment of Member's readiness to apply geospatial information in the production of indicators


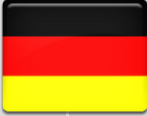



A voluntary review of readiness to utilize global and national geospatial data and satellite earth observations data sets in the production of indicators (*based on the shortlist of 24 indicators*)

Indicator								
	Global	National	Global	National	National	Global	National	National
2.4.1	●	●	●	●	●	●	●	●
6.3.2	●	●	●	●	●	●	●	●
6.5.2	●		●	●	●	●	●	○
6.6.1	●	●	●	●	●	●	○	●
9.1.1	●	●			●	●	○	●
9.c.1	●		●	●	●	●		●
11.2.1	●	●	●	●	●	●	○	●
11.3.1	●		●	●	●	●	●	●
11.7.1	●	●			●	●	●	●
14.2.1	●					●	●	●
14.5.1	●		●	●	●	●	●	●
15.1.1	●		●	●	●	●	●	○
15.1.2	●	?	●	●		●	●	●
15.3.1	●		●	●	●	●	●	●
15.4.1	●	?	●	●	●	●	●	○

SUB-LIST A:
GEOSPATIAL DATA IS NEEDED

Voluntary national assessment of Member's readiness to apply geospatial information in the production of indicators

A voluntary review of readiness to utilize global and national geospatial data and satellite earth observations data sets in the production of indicators (*based on the shortlist of 24 indicators*)

Indicator								
	Global	National	Global	National	National	Global	National	National
1.1.1	<input type="radio"/>		<input type="radio"/>			<input checked="" type="radio"/>	<input checked="" type="radio"/>	
1.4.2	<input type="radio"/>		<input checked="" type="radio"/>	<input checked="" type="radio"/>		<input checked="" type="radio"/>	<input type="radio"/>	
4.5.1	<input checked="" type="radio"/>		<input checked="" type="radio"/>	<input checked="" type="radio"/>		<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
5.2.2	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
5.4.1	<input checked="" type="radio"/>		<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
5.a.1	<input type="radio"/>		<input checked="" type="radio"/>	<input checked="" type="radio"/>		<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
5.a.2	<input type="radio"/>		<input checked="" type="radio"/>	<input checked="" type="radio"/>		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
11.7.2	<input checked="" type="radio"/>	<input checked="" type="radio"/>			<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	
15.4.2	<input type="radio"/>	?	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

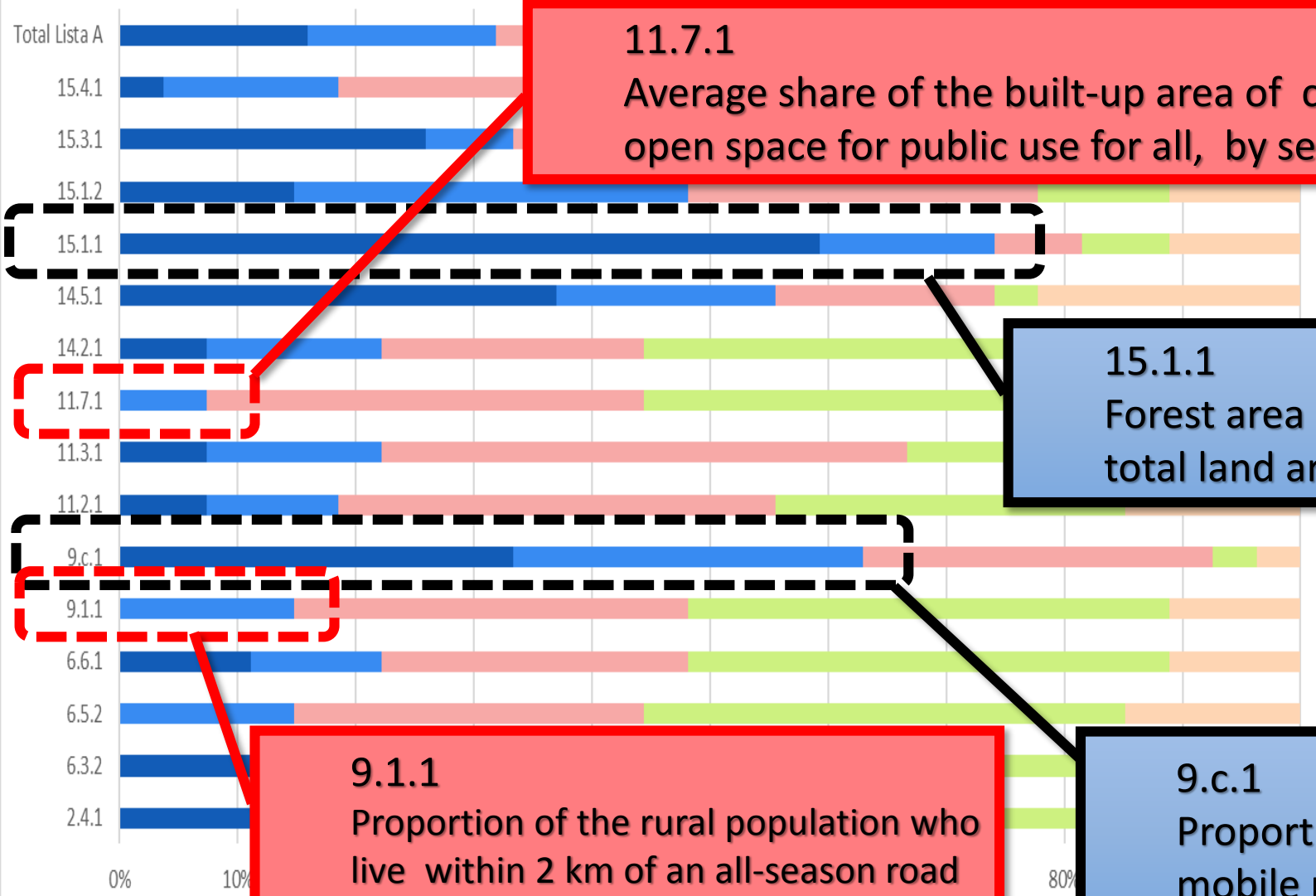
SUB-LIST B:
GEOSPATIAL DATA CAN SUPPORT

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Regional
Panorama

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11.7.1
Average share of the built-up area of cities that is open space for public use for all, by sex, age etc

15.1.1
Forest area as a proportion of total land area

9.1.1
Proportion of the rural population who live within 2 km of an all-season road

9.c.1
Proportion of population covered by a mobile network, by technology

Latin American and the Caribbean:

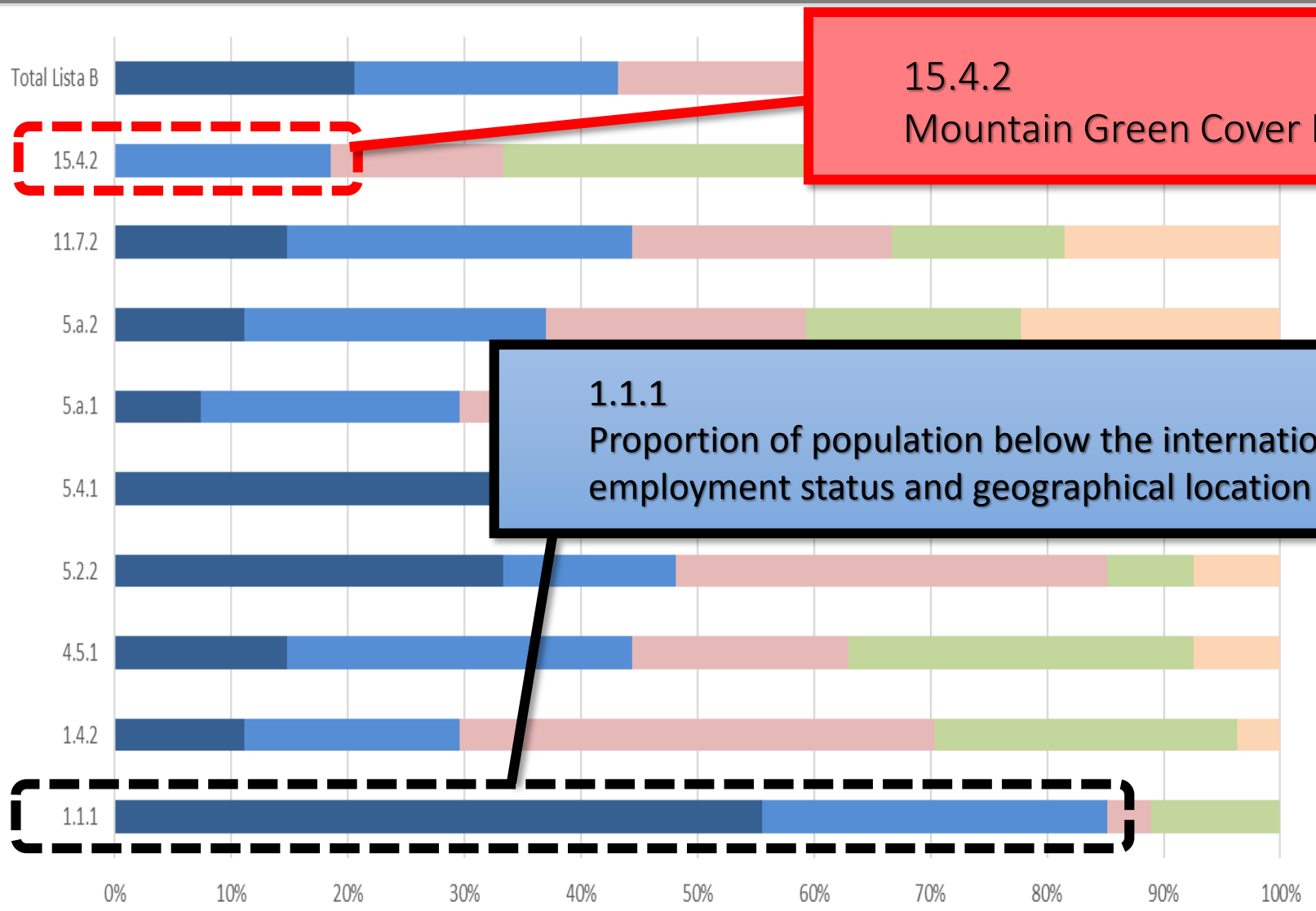
% of countries by production level of sub-list A indicators

(27 countries, 2016)

Source: CEPAL (2017)
Encuesta de capacidades estadísticas nacionales para la producción de los indicadores ODS del marco global

- A. Se produce el indicador
- B. No se produce el indicador pero se puede producir con las fuentes de información existentes
- C. Se tiene alguna información pero es necesario mejorarla o complementarla para producir el indicador
- D. No se tiene información para producir el indicador
- E. SIN RESPUESTA

geospatial data is needed



15.4.2
Mountain Green Cover Index

1.1.1
Proportion of population below the international poverty line, by sex, age, employment status and geographical location (urban/rural)

Latin American and the Caribbean:

% of countries by production level of sub-list B indicators

Source: CEPAL (2017)
Encuesta de capacidades estadísticas nacionales para la producción de los indicadores ODS del marco global

- A. Se produce el indicador
- B. No se produce el indicador pero se puede producir con las fuentes de información existentes
- C. Se tiene alguna información pero es necesario mejorarla o complementarla para producir el indicador
- D. No se tiene información para producir el indicador
- E. SIN RESPUESTA

(27 countries, 2016)

[Example]

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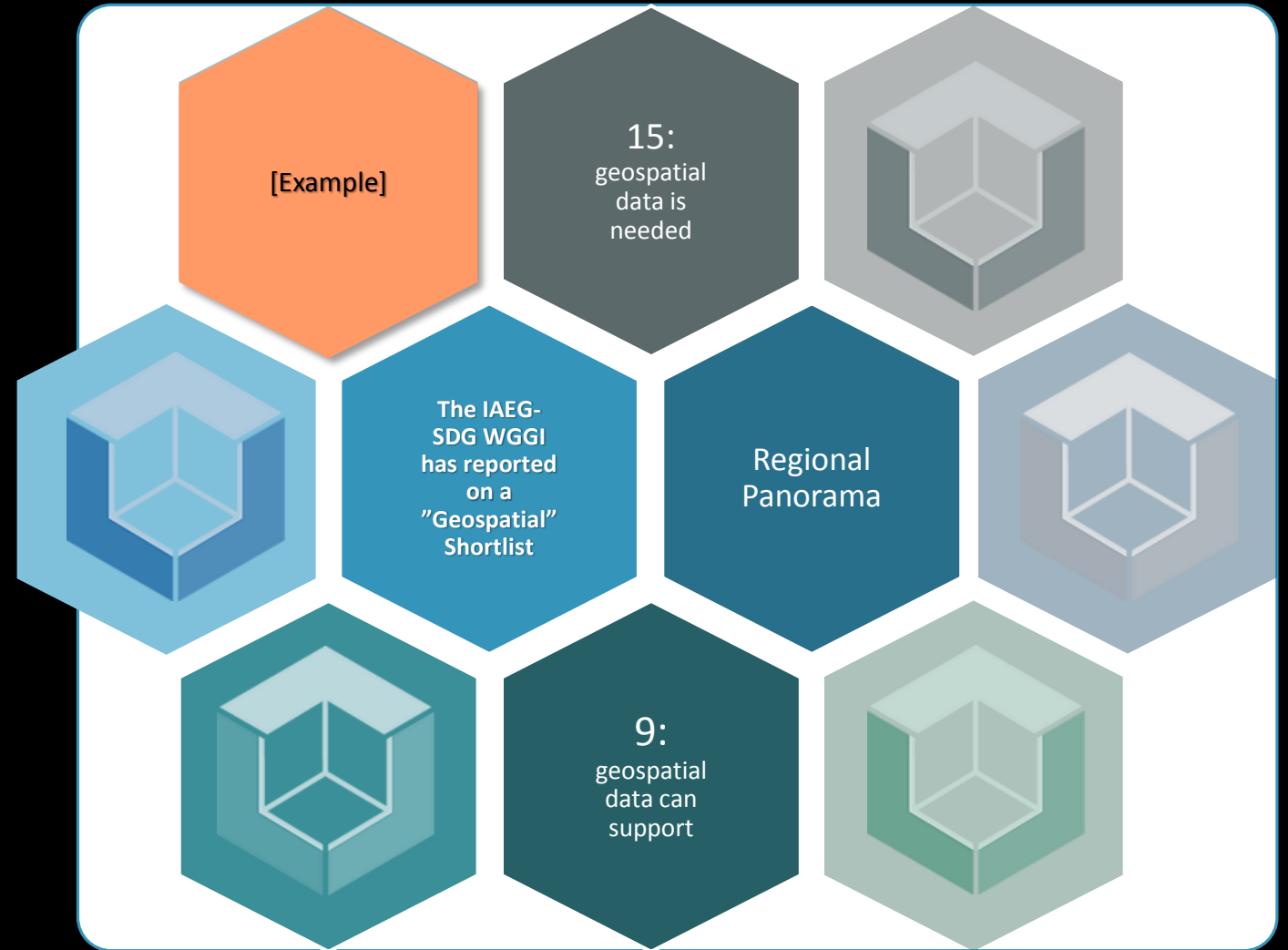
Regional
Panorama

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INEGI is currently working in the implementation of the **Mexican Geospatial Data Cube**

It allows for **big data** time series analysis and will be oriented towards **calculating SDG indicators**, among other tasks...

Current tests are done for indicator **15.4.2**



Currently implementing Open Data Cube at INEGI

WORKS ON indicator 15.4.2
mountain **Green** cover index



First classification is a conversion from the 2014 Land Use/Land Cover map to 6 classes

ODC process allows constant update to the national classification because it is generated automatically

Spared resources can be applied to expert and field validation for quality assessments

STEPS (chronological)	<u>without</u>		<u>with</u>	
	<u>ODC</u>	Progress	<u>ODC</u>	Progress
Use Intergovernmental Panel on Climate Change definitions (6 classes)	✓	✓	✓	✓
Land Use/Land Cover Map	✓	✓	✓	✓
Obtain converted classification (original to 6 classes)	✓	✓	✓	✓
Draw sample from converted data			✓	design
Use sample and <i>6 other ODC indicators</i> as training dataset for classification			✓	ODC indicator (geomedian)
<u>Run national classification with Machine Learning</u>			✓	
Link result raster to Digital Elevation Model (DEM) for mountain areas	✓	✓	✓	
Calculate Green Cover index on DEM mountain area mask	✓	✓	✓	
<u>Possible field validation for quality assurance in subsampled dataset</u>			✓	
Provide feedback to FAO	✓	✓	✓	



THANK YOU.

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