Review of the ECE Guidelines for the Application of Environmental Indicators

Guiding questions for the discussion

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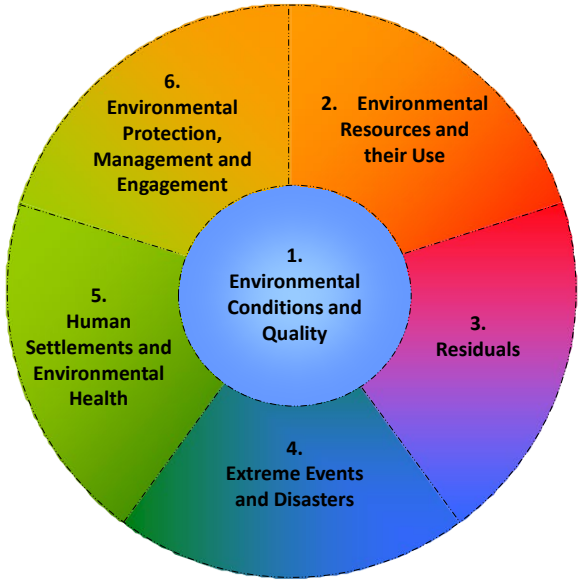

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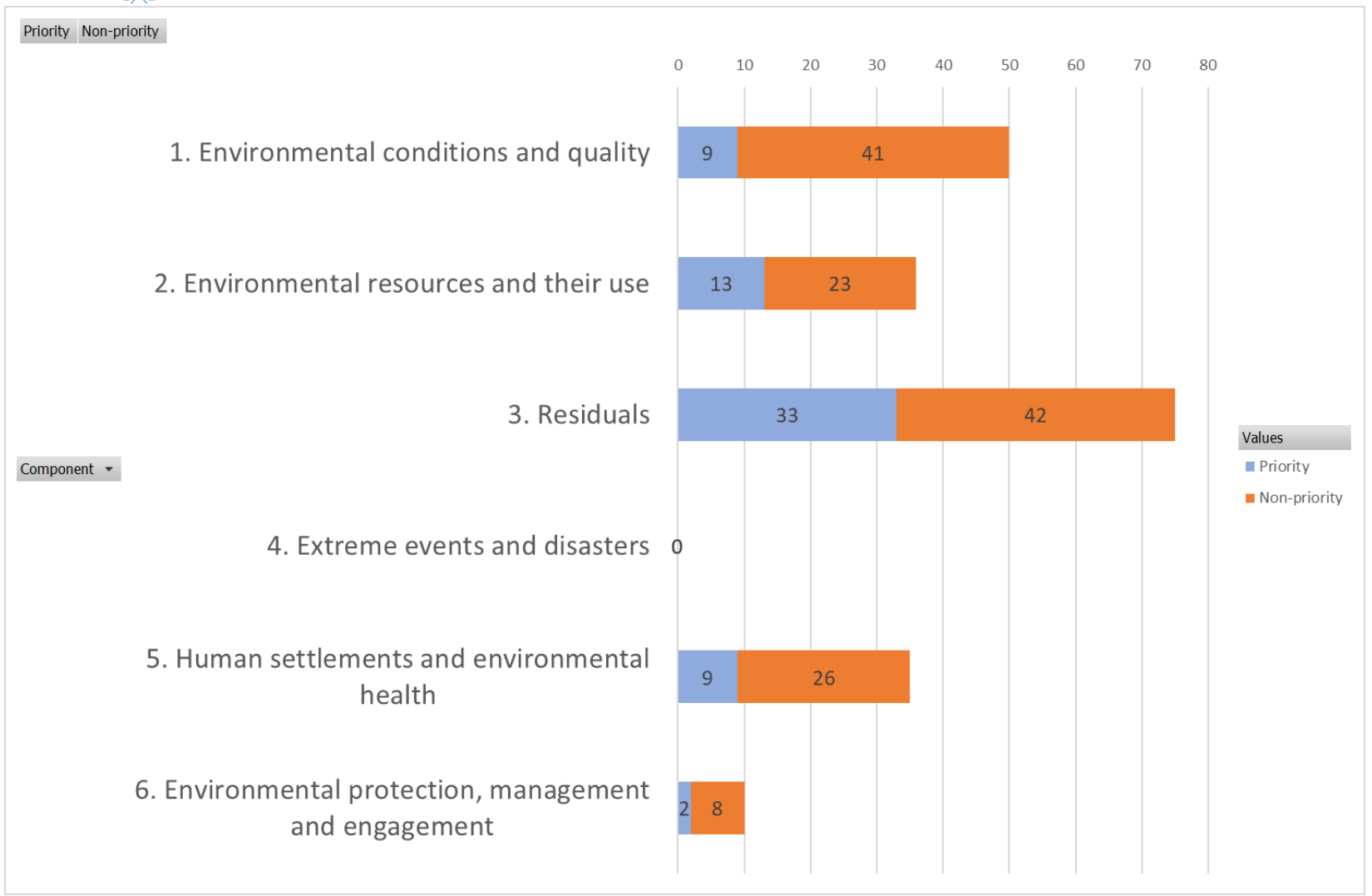
Issues for which we need the feedback of JTFESI members

1. Do we need to identify more priority indicators – e.g. from PEEA?
2. What are the criteria for adding new priority indicators?
3. Should we include indicators on extreme events and disasters?
4. Do you have any other comments before we provide you with a final draft of the list of indicators?

206 indicators, of which currently 66 priority indicators (32%)



Priority indicators:

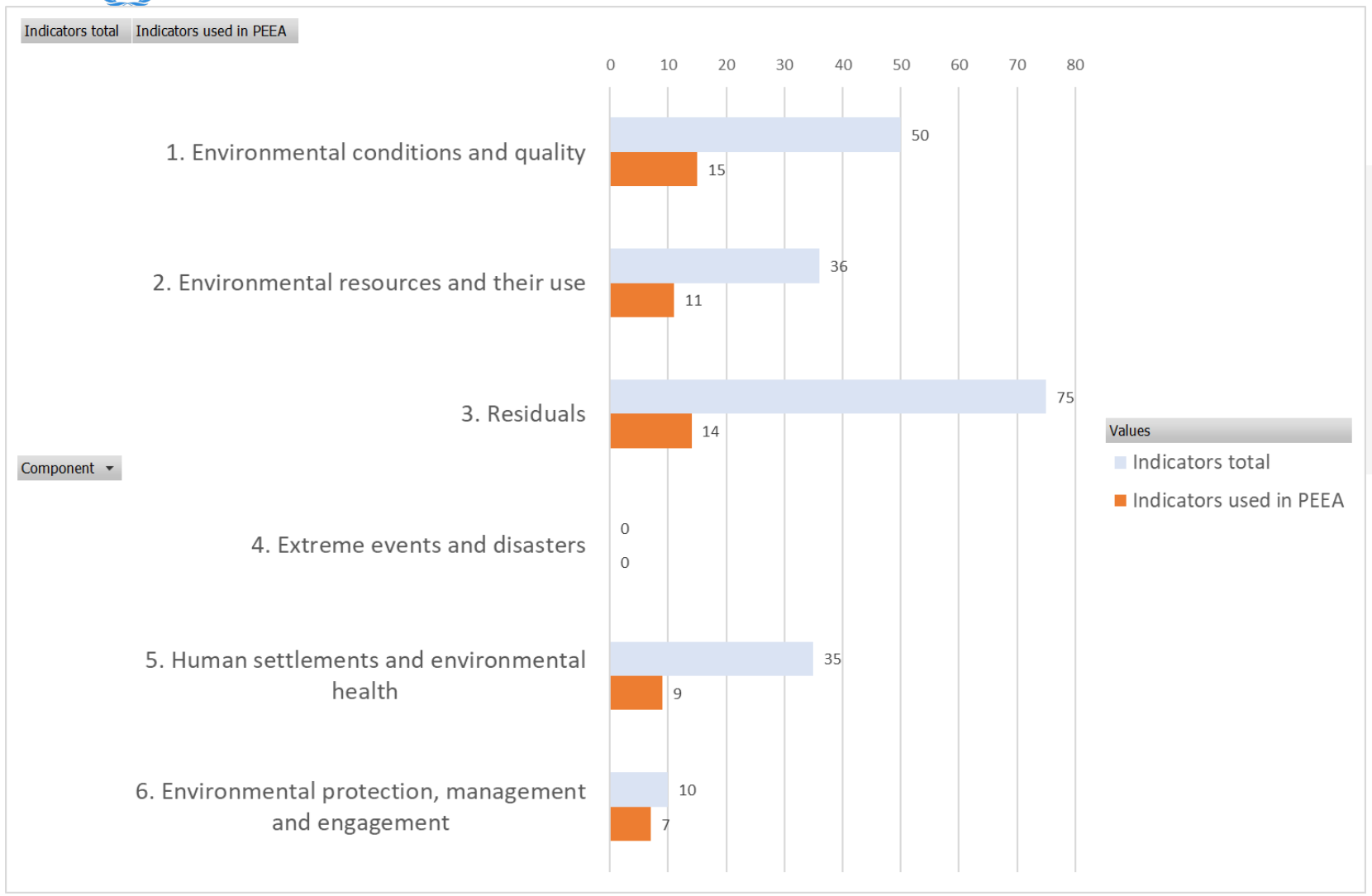
- **Member countries**: Priority for production and sharing
- **ECE Secretariat**: Priority in finalizing the metadata

The priority indicators were discussed and identified by the JTF and finally confirmed as a result of a silence procedure after the 18th session.

A number of PEEA indicators were added afterwards.

Alignment with pan-European Environmental Assessment

Lessons learned still to be considered



56 of the 206 recommended indicators (27%) were used in the pan-European Environmental Assessment

Only 10 (out of 56) are currently identified as priority indicators

Indicators used in the 7th PEEA and currently not identified as priority indicators

Environmental conditions and quality

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1. D-1.1 Share of total protected areas (categories of the International Union for the Conservation of Nature (IUCN) in the country area
2. D-1.3 Coverage of protected areas in relation to marine areas(SDG indicator 14.5.1)
3. D-5.2 Status of marine fish and shellfish stocks
4. D-3.2 Share of other wooded land in country area
5. C-17.2 Proportion of bodies of water with good ambient water quality (SDG indicator 6.3.2)
6. A-2.10 PM10: Annual man concentration in cities
7. A-2.8 Annual mean level of PM10 in cities (population weighted) (SDG indicator 11.6.2)
8. A-2.7 Annual mean level of PM2.5 in cities (population weighted) (SDG indicator 11.6.2)
9. A-2.9 PM2.5: Annual mean concentration in cities
10. A-2.11 SOx: Annual mean concentration in cities
11. A-2.12 NOx: Annual mean concentration in cities
12. C-18.1 Number of items on beach per 100 m of shoreline
13. C-18.2 Average marine acidity measured at agreed suite of sampling stations (SDG indicator 14.3.1)
14. C-18.3 Average sea surface temperature anomaly

Indicators used in the 7th PEEA and currently not identified as priority indicators

Environmental resources and their use

1. I-1.4 Material footprint, material footprint per capita, and material footprint per GDP (SDG indicator 12.2.1)
2. I-1.5 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (SDG indicator 12.2.2)
3. G-4.2 Renewable energy share in the total final energy consumption within the national territory (SDG indicator 7.2.1)
4. E-1.2 Total land uptake
5. D-3.4 Share of planted forest of total forest area
6. D-3.6 Share of forest area designated for protection of soil, water and ecosystem services of total forest area
7. D-3.7 Share of forest area protected and designated for the conservation of biodiversity
8. E-3.1 Proportion of area with improving or degrading soil organic carbon content
9. E-3.2 Soil organic carbon content

Indicators used in the 7th PEEA and currently not identified as priority indicators

Residuals

1. B-3.16 Greenhouse gas emissions (without LULUCF) per capita
2. A-1.4 Emissions of nitrogen oxides per capita
3. A-1.19 Total emissions of SOx
4. A-1.20 Total emissions of NOx
5. A-3.9 Consumption of hydrochlorofluorocarbons (ozone depleting potential per capita)
6. A-1.25 Emissions of PM2.5 per capita
7. A-1.21 Total emissions of PM2.5
8. I-1.8 Total waste generation per capita
9. I-3.3 Recovery rate of construction and demolition waste

Indicators used in the 7th PEEA and currently not identified as priority indicators

Human settlements and environmental health

1. C-6.3 Percentage of population using basic drinking water services by location
2. C-14.2 Percentage of total population connected to wastewater treatment facilities
3. C-14.3 Proportion of population using safely managed sanitation services (SDG indicator 6.2.1)
4. C-14.4 Percentage of population using basic sanitation services by location
5. G-5.1 Percentage of population with access to electricity by location
6. H-1.5 Share of railway transport demand in total passenger transport
7. H-5.1 Motorway length
8. H-5.2 Motor vehicle movements on national territory by vehicle-kilometres (millions)

Indicators used in the 7th PEEA and currently not identified as priority indicators

Environmental protection, management and engagement

1. J-1.5 Contribution to the international $100 billion commitment on climate-related expenditure
2. J-1.6 Amount of fossil-fuel subsidies (production and consumption) per unit of GDP (SDG indicator 12.c.1)
3. C-17.1 Proportion of transboundary basin area with an operational arrangement for water cooperation (SDG indicator 6.5.2)
4. K-1.1 Number of people per 100,000 that are covered by early warning information through local governments or through national dissemination mechanisms (Sendai Framework indicator G-3)
5. K-1.2 Number of companies publishing sustainability reports (SDG indicator 12.6.1)
6. K-1.3 Proportion of students in lower secondary education showing adequate understanding of issues relating to global citizenship and sustainability, by sex

Guiding questions for the discussion (mentimeter)

- **Question 1:** Should indicators on extreme events and disasters be added to the ECE Indicator Guidelines? *Note: The ECE Task Force on Measuring Hazardous Events and Disasters is currently working on a list of core indicators.*
  - Answer options: yes / no / I don't know
- **Question 2:** Do you have any comments on the proposal to add a few indicators on extreme events and disasters?
- **Question 3:** Do we need to identify more priority indicators?
  - Possible answer options: yes, no, I don't know
- **Question 4:** Should all indicators used in the 7th PEEA become priority indicators?
  - Answer options: yes / no - only some of them / no – none of them / I don't know
- **Question 5:** Do you have comments on the selection of priority indicators or any other comments?

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