

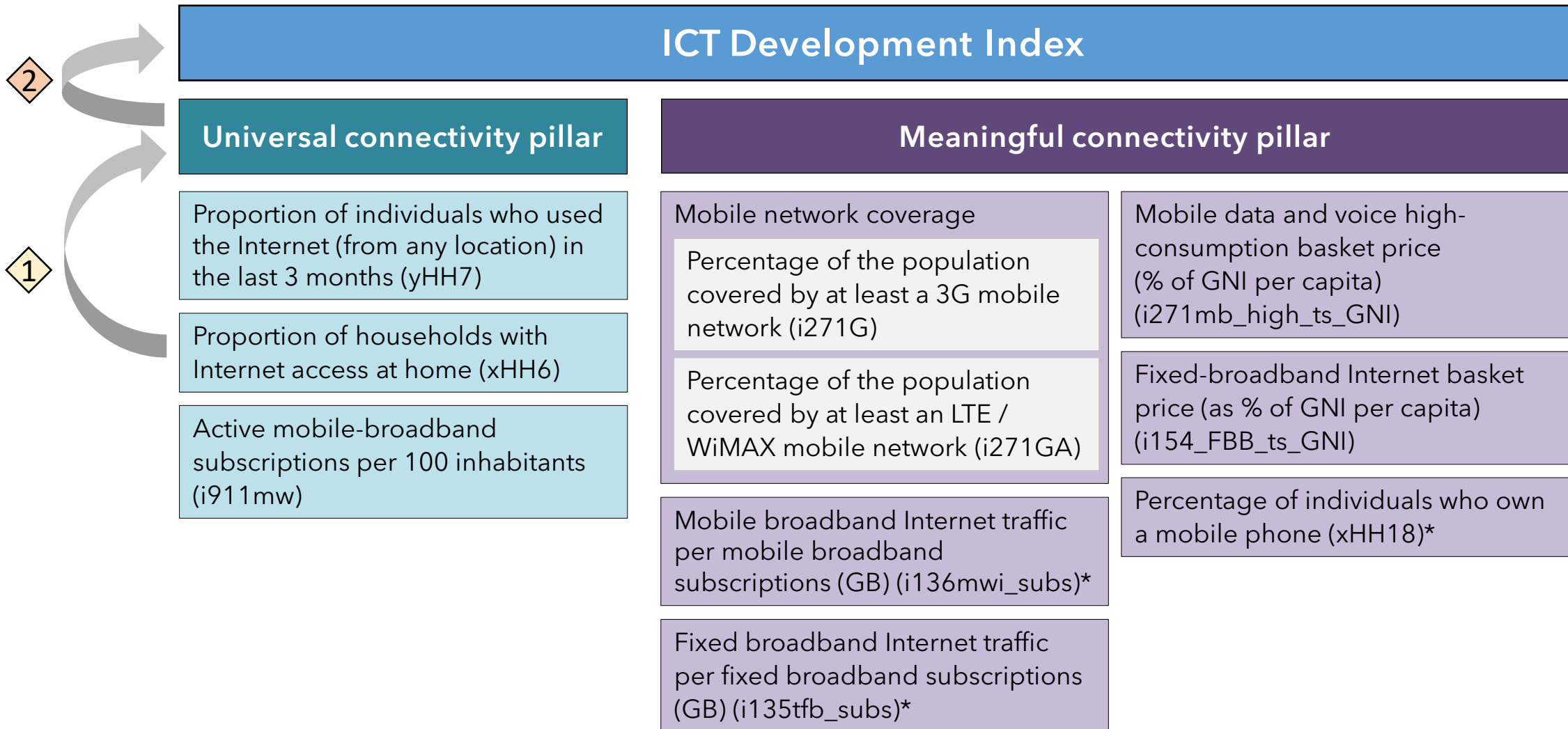
Joint EGTI/EGH Session on the IDI Segment 7

- Weighting
- Reporting results

19 September

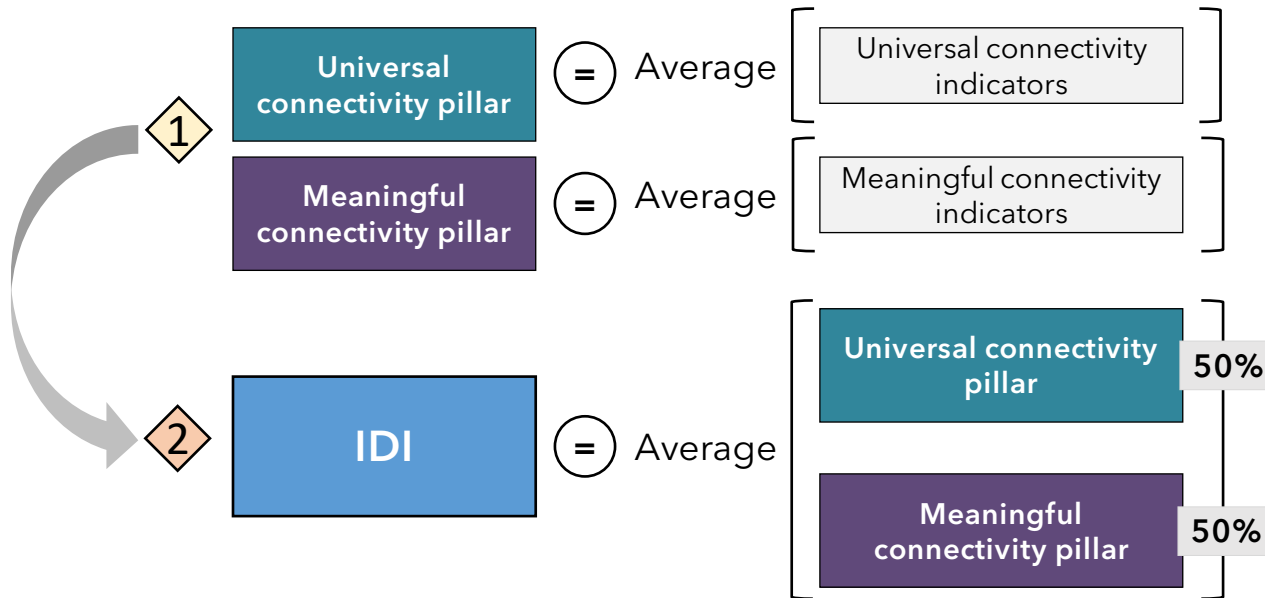


From indicator to pillar to index: Aggregation in Version 3



From indicator to pillar to index: Aggregation in Version 3

- In the absence of clear conceptual and statistical justifications, neutral approach of applying equal weights at each level of aggregation is preferred.



- Weighting scheme mirrors the two dimensions of the UMC concept
- **Step 1** Pillar scores are the simple average of the indicator normalised scores in each pillar
- **Step 2** IDI score is the simple average of the scores of the Universal connectivity pillar and the Meaningful connectivity pillar
- Each pillar weighs 50% in the IDI score
- Pillar scores are a balanced summary of the information contained in the indicators of each pillar - each indicator contributes equally to the concept of the pillar
- Statistical analysis does not reject this neutral and intuitive approach

Presentation of the IDI results

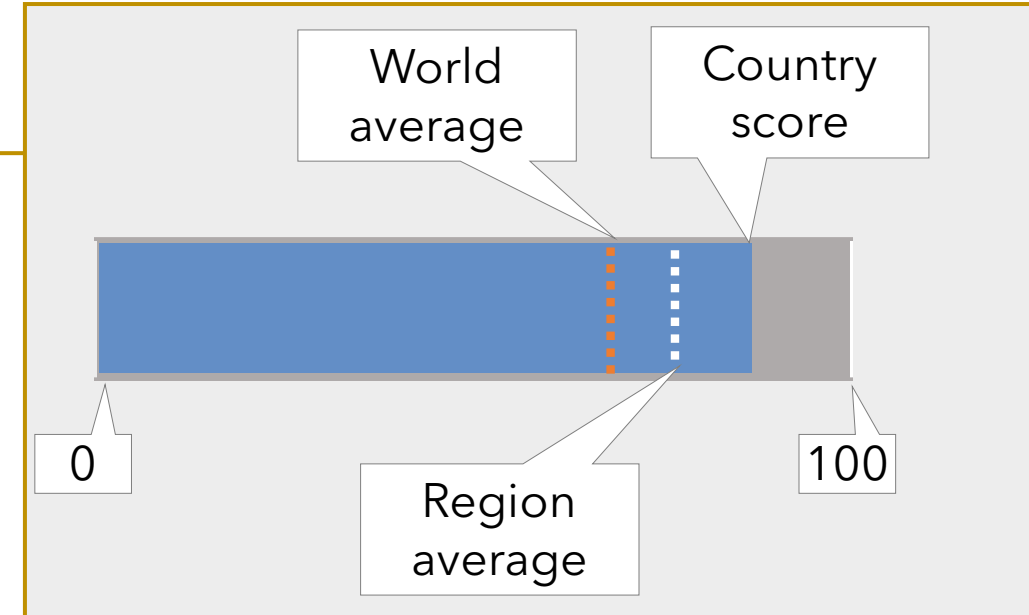
PP Resolution 131 (Rev. Bucharest, 2022) resolves:

3. that ITU should take further necessary measures to establish a valid structure and methodology for the IDI, working through EGTI/EGH, and through formal consultations with Member States², that allows the publication of the IDI on an annual basis, **without ranking** provided that there are sufficient valid data to cover a majority of Member States;

² If 70 per cent or more of the replies from the Member States indicate approval, the proposal shall be accepted.

Reporting IDI scores: illustration

IDI score (0-100)			Delta vs prev. ed.
Country A	Region 1	87.4	+4.9
Country B	Region 2	74.0	+4.3
Country C	Region 2	43.2	-0.6
Country D	Region 3	87.1	new
Country E	Region 1	65.8	+4.8
Country F	Region 3	42.5	+3.0
Country G	Region 3	73.4	+2.0
Region 1		76.6	+4.9
Region 2		58.6	+1.9
Region 3		67.7	+2.5
World		67.6	+3.1



UMC is not a competition!
Every country can achieve it.



Reporting: Cluster ranking (illustration)

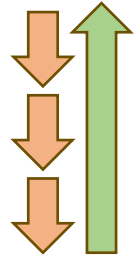
	IDI score (0-100)	Tier
Country I	89.2	Tier 1
Country A	87.4	Tier 1
Country D	87.1	Tier 1
Country B	74.0	Tier 2
Country G	73.4	Tier 2
Country E	65.8	Tier 2
Country K	50.1	Tier 2
Country H	49.9	Tier 3
Country C	43.2	Tier 3
Country F	42.5	Tier 3
Country J	34.5	Tier 3
Country L	24.0	Tier 4

Both in Tier 2, but 24-point gap

Different tiers, but 0.2-point gap

- Countries must be sorted to be clustered
- Choice of bands is arbitrary. E.g.:
 - Tier 1: $75 < x \leq 100$
 - Tier 2: $50 < x \leq 75$
 - Tier 3: $25 < x \leq 50$
 - Tier 4: $0 \leq x \leq 25$
- Purely ordinal, distance is lost. E.g.:
- Country *K* only 0.2 point better than Country *H* and yet in different tiers.
- Country *H* and Country *B* in Tier 2 despite 24-point score difference

Reporting: Cluster ranking (illustration)



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Country K	50.1	Tier 3
Country H	49.9	Tier 3
Country C	43.2	Tier 3
Country F	42.5	Tier 4
Country J	34.5	Tier 4
Country L	24.0	Tier 4

- Tiers based on percentile ranking. Here. Tier1 = 1st quartile, Tier 2 = 2nd quartile...
- Same issues as fixed-band approach. In addition
- Countries 'forced' into different tiers. For countries to progress across tiers, other countries must come down → ~'Zero-sum game'
- Impossible to have all countries to be in Tier 1. Even if all countries have IDI scores above 90 -i.e. near ideal state - countries with the lowest score would still be in Tier 4.

Thank You!