



**EUSALP** EU STRATEGY FOR THE ALPINE REGION

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# EUSALP Performance indicators for buildings

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80 million people, 7 countries, 48 regions,  
mountains and plains addressing together  
common challenges and opportunities



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## EUSALP Performance Indicators for building

### Action plan EUSALP 2015: Examples of possible project

- ‘Greening the Alpine infrastructure’ focusing on energy efficiency in the building sector. The intent is to develop harmonised, affordable and operational assessment tools to be used by public authorities in policies targeted to promote and boost sustainable and low-carbon buildings in the Alpine Region.

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# EUSALP Performance Indicators for building

- Report prepared by CESBA network
- Workshop organized on 23<sup>o</sup> October 2018 in Garmisch-Partenkirchen
- 21 participants
- Discussion and recommendations

## How a common set of KPIs in the Alps can be adopted



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## EUSALP Performance Indicators for building

- Aims of the report

**How harmonised, affordable and operational assessment tools for public authorities could be developed to promote and boost sustainable and low-carbon buildings in the Alpine Space**

- **A set of Key Performance indicators was defined**

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## EUSALP KPI for building

All dimensions of sustainability are addressed: environmental, social and economic.

The reference issues for EUSALP KPIs are:

- Energy and emissions
- Materials
- Water
- Indoor environmental quality
- Life cycle costs

### Mandatory KPIs:

- Primary energy demand
- Delivered energy demand
- Renewable energy in primary energy consumptions
- Renewable energy in final thermal energy consumptions
- Renewable energy in final electric energy consumptions
- Global Warming Potential
- Quality of air - Ventilation
- Quality of air – CO<sub>2</sub> concentration
- TVOC from construction materials
- Formaldehyde from construction materials

### commended KPIs:

- Embodied non-renewable primary energy (product stage)
- Materials from renewable sources
- Recycled materials
- Construction and demolition waste
- Water consumption
- Net potable water consumption
- Thermal Comfort
- Life cycle cost in the operational stage

## EUSALP KPI for building (proposition)

- In the report, for each KPI:
  - Definition
  - Use stage
  - Unit of measurement
  - Boundary and scope
  - Calculation method and standards
  - Potential data sources

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## EUSALP KPI : discussion on implementation in Garmisch

- Comparison of building assessment is not possible
- Benefits of harmonization:
  - Comparability of the building stock performance
  - Improvement of regional/national assessment schemes
  - Integrating Alpine transnational approach in existing assessment schemes

• Enhancing knowledge and improve quality

- Key issue: no top down approach (risk of increasing complexity in existing scheme)

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## EUSALP KPI : discussion on implementation in Garmisch

- Key issue: no top down approach ( risk of increasing complexity in existing scheme- list non exhaustive of 20 existing assessment scheme or way to use indicators in public policies in the Alps))
- Implementation process needs:
  - Preparation
  - Agreement by regions
  - Political comitment for harmonization on some KPI
  - Important rule to follow: easy to apply, simple to use, low cost
  - Common passport?
- Implementation should/could be linked to their use in public policies: distribution of ERDF funds!
- EUSALP KPIs in line with EU inititative LEVEL(s) from DG Environment

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## EUSALP KPI : proposition sfor next steps

- Need a political commitment by Alpine regions
- Testing phase (voluntary basis)
- Official link with Level(s) initiative? Meeting with DG Environnement ?
- Testing the use of this KPI in Operational Programme ERDF funds (directly managed by regions): meeting with DG Regio for next EU budget?
- Use of the CESBA approach (harmonization AND contextualization) to assess:
  - Sustainable neighborhoods in the Alps
  - Sustainable cities in the Alps
  - Sustainable territories in the Alps

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