Present status of Eurocodes in Albania

- Prof. Fisnik Kadiu, Chairman of KT-250 DPS
- MSc-Eng. Markel Baballëku, Faculty of Civil Engineering
- MSc-Eng. Riza Hasanaj, Director - General Directorate of Standardization
- MSc-Eng. Ilir Qerfozi, Ministry of Transport and Infrastructure
- MSc-Eng. Vasil Muka, Technical Director of "TX-Muka"
- MSc-Eng. Rikard Luka, Faculty of Civil Engineering
I What is done until now

- National plan-guide document;

  The steps needed as well as institutions & stakeholders involved;

  Time schedule for the adoption process;

  Prepared following JRC recommendations
I  What is done untill now

• Translated and accepted as Albanian Standard

1. SSH EN 1990 + A1;
2. SSH EN 1991 all parts;
3. SSH EN 1992 all parts;
4. SSH EN 1993 all parts;
5. SSH EN 1998 Parts 1,2,3,5;
I  What is done till now

- Parameters to be determined

Studies for the NDPs that require national decision have been undertaken (e.g. studies for seismic PGA map);
I What is done until now

• Training materials

A glossary of terms and definitions for Eurocodes;

Technical materials
Understanding EN 1990;

Design procedures for concrete structures

Seismic design rules for concrete buildings;
I What is done until now

- Conferences and Workshops

Round-tables with institutions and stakeholders;

Several workshops and training seminars across Albania;
I What is done until now

- Use of translated and non-translated Eurocodes;

  The English version of Eurocodes has been used for the design of structures in Albania since several years ago.

The design of construction works can’t be completed using only the translated Eurocodes (e.g. EN 1997 is necessary).

Many consulting companies use the Eurocodes, especially in international projects and collaborations with European companies;
I What is done untill now

• Introduction of Eurocodes at universities;
  Eurocodes have been partially introduced within different study programs in Universities for many years;

• Execution, product and testing standards
  Following CPD already incorporated in our legislation, many industries and companies operating in civil engineering have introduced ENs in their products and procedures;
I  What is done since last workshop

- NAs and NDPs - Partially prepared;

  Preparation of a database containing NDP’s of all Eurocodes, divided into Eurocode Packages;

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<th>Parameters to be determined</th>
<th>Choice from given options</th>
<th>Parameters with recommended value</th>
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I What is done since last workshop

• **NAs and NDPs - Partially prepared;**

Preparation of draft National Annexes, accepting all recommended parameters of 4 Eurocodes already translated;

Examples to understand and apply some NDP’s of Package 2/1.

The list of old Technical Codes to be replaced by Eurocodes as well as the list of those remaining after Eurocode implementations

• **Use of Eurocodes at the universities;**

Faculty of Civil Engineering, set up a working group in order to fully incorporate the Eurocodes in study programs.

It is foreseen to be effective in academic year 2015-2016
II Difficulties

- Insufficient coordination between different national authorities
  1. Adoption process requires collaboration between different government units (MEDTE through DPS, MTI, MUDT and MES through Universities);
  2. Also the legislation in construction sector requires interventions.

- Eurocode Steering Committee;
  1. The Eurocode Steering Committee that coordinate all activities leading to the replacement of the old Technical Codes with Eurocodes is not constituted yet;
  2. The KT-250 within GDS is a volunteer small group (with not enough technical experts and financial support) and in current status it does not have any legislative power to approve NAs with NDPs or other administrative and technical steps;
II  Difficulties

• *Eurocodes: both “Standards” and “Technical Codes”*;

  According to Albanian legislation in the field of construction, the design of structures must follow the KTPs – Technical Codes. Therefore, it is not sufficient to accept Eurocodes as National Standards. They should also be approved as “Albanian Technical Codes”

• **Unified terminology**;

  1. An unified terminology in Albanian is necessary in the field of Civil and Structural Engineering. Different Authorities use a non-unified terminology, leading to possible misunderstandings;

  2. Usage of European Standards in their official languages might lead to confusion to the end users.
III Needs

- **Set up of Eurocode Steering Committee - KDE**

1. It is urgent that the Government activate the KDE;

2. KDE can be a new inter-ministerial unit having the authority to implement the National Plan-Guide;

3. This can also be achieved by increasing the financial and human capacities of the existing KT-250 within GDS;

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**Abbreviations:**
- CEN: European Standardization Organization
- DPS: General Directorate of Standardization
- MTI: Ministry of Transport and Infrastructure
- MZHUT: Ministry of Urban Development and Tourism
- KDE: Eurocode Steering Committee
III Needs

• Set up of Eurocode Steering Committee

who what how
III Needs

• **Legislative steps**
  
  Legislative steps should be taken to enable the co-existence of Eurocodes with the Albanian Technical Regulations until the full withdrawal of KTPs;

• **Financial support**
  
  1. The government has to foresee a larger budget for KDE and Eurocode adopters;
  
  2. Alternative financial resources can speed up implementation process.
III Needs and future steps

- **Eurocode Packages implementation**

1. Based on present progress in Albania, implementation of Package 2/1, 2/2 and 3/1, besides NDPs, requires only translation of EN 1997;

2. Using packages has the advantage that it accelerate the implementation and serves as experience for next packages.
III Needs and future steps

- Regional collaboration

1. Regional harmonization of NDPs would result beneficiary for all parties;

2. Collaboration in NDPs such as seismic PGA map, wind map, etc. would result more accurate, less time and financial costs;

3. International projects and workshops.
THANKS FOR YOUR ATTENTION!