



Climate changes & Built Environment

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Overview

Climate change could cause more drought and floods, which may increase erosion and damage to urban environment, buildings and roads.

Why is the climate changing?

The 1990s were the warmest decade in the warmest century of the last millennium. Most experts agree that it's getting hotter due to people burning fossil fuels like oil, coal and gas that emit heat-trapping, greenhouse gases into the atmosphere.

The weather is changing too. Experts expect our summers to become drier, but when it does rain it will probably rain harder.



Consequences:

- Fire in natural environment,
- Changes in precipitations distribution,
- Floods,
- Land slides,
- Droughts.....

Is that something new in earth history?

Discover the climat changes from geological layers!



Železniki, Slovenija,

18.09.2007, creak Selščica, flood,
(350 mm rainfall in twelve hours - 20% of year precipitation).
Storms which have not be seen in last 250 years, six victims.

Situation before storm

Section: 7302 Zali Log – Davča (RT-912)

Distance: 1555m



Cesta: 912, Odsek: 7302 Datum: 31.5.2006 Ura: 9:17
Slovenija: 41° 15' 00" N
G: 15° 43' 29" E (117131) Višina: 547m
(Veljavnost kategorizacije je iz časa letenskega snemanja)

Situation after storm

Section: 7302 Zali Log – Davča (RT-912)

Distance: 1580m





Situation before storm

Section: 7302 Zali Log – Davča (RT-912)

Distance: 2948m

Situation after storm

Section: 7302 Zali Log – Davča (RT-912)

Distance: 2948m



Cesta: 912, Odsek: 7302 Datum: 31.5.2006 Ura: 9:19
Stacioniranje: 2948m
GK OC 430187, Y 116854 Višina: 608m
(Veljavnost kategorizacije je iz časa terenskega snemanja)



Situation before storm

Section: 7302 Zali Log – Davča (RT-912)

Distance: 5350m

Situation after storm

Section: 7302 Zali Log – Davča (RT-912)

Distance: 5345m



Cesta: 912, Odsek: 7302 Datum: 31.5.2006 Ura: 9:22
Stacioniranje: 5350m
GK OC 428225, Y 116758 Višina: 691m
(Veljavnost kategorizacije je iz časa terenskega snemanja)





Kropa, creak Hrenovec, Slovenija



Kropa, creak Hrenovec, Slovenija







Conclusions

- **Society will have to accept the reality of climate change, and will have to be prepared to take the appropriate actions and bear the necessary costs of limitation and adaptation.**
- **Uncertainty over future impacts of climate change will have to be incorporated into long-term decision making, and reflected in environmental and technical standards and targets.**