

Innovative Solutions for Low Carbon Urban Development at Local Level Macedonian experience

Serbia's climate talks - on the way to Paris -Forging climate-smart partnerships –

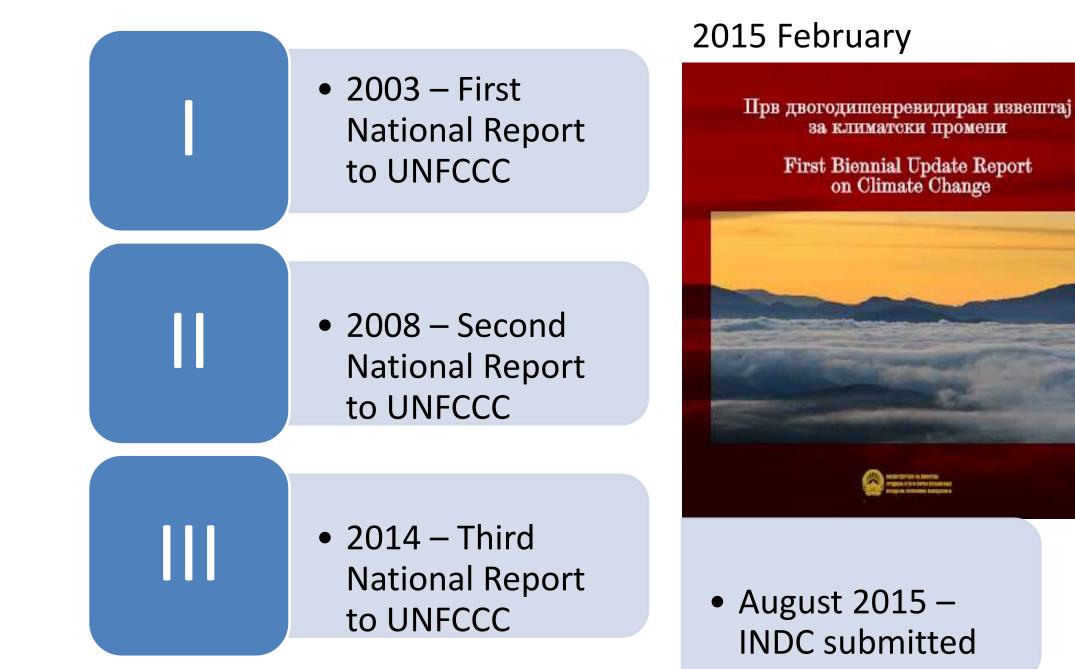
Belgrade, 5 October 2015

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International status

UNFCCC	• Non-Annex I	C.
Copenhagen Accord	 No quantified mitigation measures submitted 	All
EU candidate country	 Aligning its positions with the EU 	ANNO AND

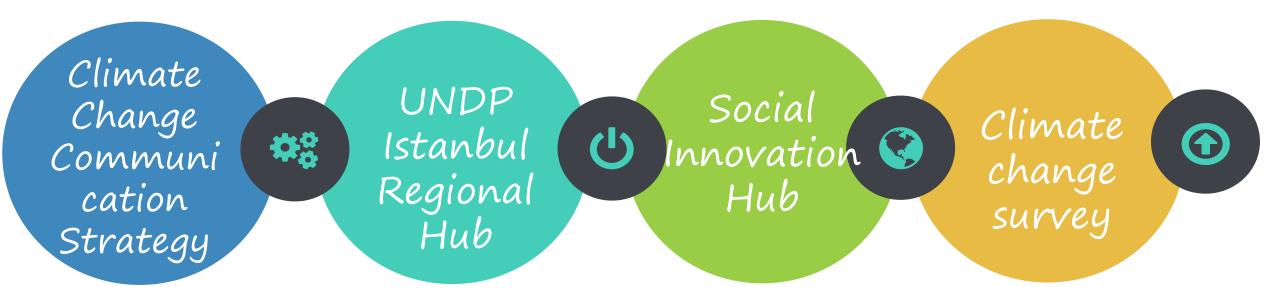




#inno4dev

- The transition to a low carbon country will transform our whole economy.
- It will change our industry, the supply chains of our businesses and the way we all live and work.
- Innovation is key to developing the low carbon technologies that will underpin this transition, and make it affordable and accessible.
- New technology development is essential to enable us to meet our EU and global climate change objectives.
- Achieving emissions cuts requires a process of "decarbonzation".
- New and innovative low carbon technologies help to reduce greenhouse gas emissions and create new employment and growth.

The story behind



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2 years old

implementation

3 game-changers

More that **10** exciting ideas

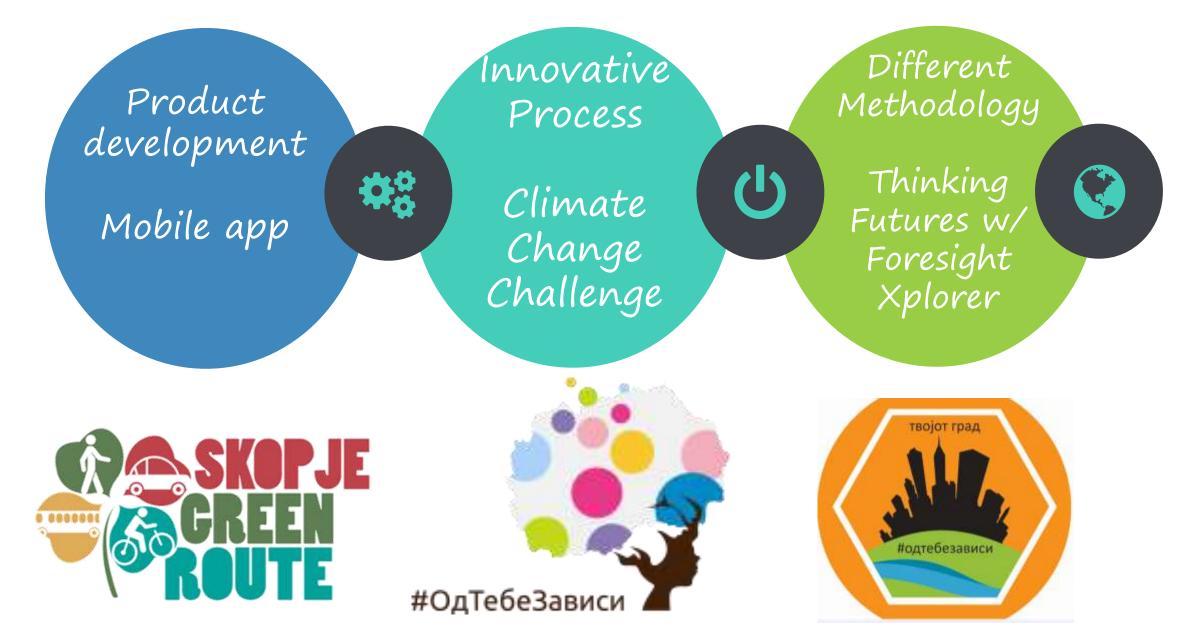
Open innovation/service design

Citizens participation in Programme and policy development

External expertise into UDP programming and project



#Inno4CC





• Usage of mobile technologies 4 behavioral change.

 Brings outside expertise in UNDP project implementation, give chance to those that would normally not get it

 Ensured citizens involvement in strategy and policy making enabling 'futures' considerations









"In Colland Methodius" University In Skopp PACIETY OF COMPLEX



The road transport sector is the second biggest emitter of greenhouse gases in the country. This sector accounts for an annual average of 9.15% of overall greenhouse gas emissions.

9.15%

In 2009. the average road transportation omissions equalled the total annual capacity of the country's forestry sector to absorb COs.

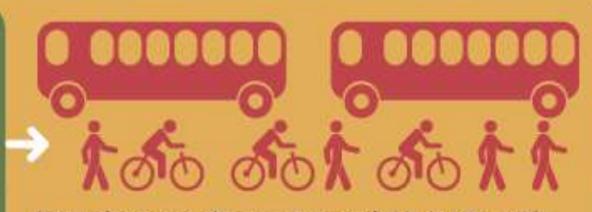


It is estimated that the current number of vehicles per inhabitante will double by 2020.



The city of Skopje is becoming more and more congested, with regular traffic jams, delays and accidents, and with high levels of air pollution.

AA



Alternative means of transport are available, but the public have not yet adopted these alternatives on a sufficient scale to reduce pollution and congestion.

The Skopje Green Route app is a navigation tool that encourages people to adopt greener means of transport through the oity. The app provides continuous information on traffic conditions, promote the use of cleaner and more economical means of transport and ultimately contribute to a reduction in the greenhouse gas emissions caused by motorized transport in Skopje.

Skopje

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Based on the Google Maps platform and real-time information on junction flows, congestion, and traffic accidents, the app and the web platform contain the following tabs to choose from:

Tab for selection of the desired transport mode



The app gives you useful tips and hints about:



Walking - Info on the greenest routes to take and the time needed to reach the destination.

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Cycling - info on the available Infrastructure, info on blike rental locations. costs and the time needed to reach the destination.

www.skopjegreenroute.mk

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the location of the nearest bus-stops, the most appropriate bus routes for each destination, bus transfers, ticket prices, the time needed to reach the destination, as well as info on the CO2 emissions caused by each journey.

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Available for Android



Private vehicles - info on recommended routes. distances, locations of traffic congestion, real-time reporting on traffic jams, travel-time needed, average costs and CO2 emissions caused by the journey. This mode also presents the location, capacity and costs of public parking spaces in Skopje.

Trip planner





4.0 km 8 mins 29 MKD 693.79

via Cuetan Dimov

693 g CO2 = 33 X 🍸

33 trees have to work today to absorb all of the CO2 you've emitted.







3.8 km 10 mins 28 MKD 669.73g

via Lazar Lichenoski

669 g CO2 = 31 X T

31 trees have to work today to absorb all of the CO2 you've emitted.



The app will

also regularly

updates on:

provide you with

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More info at:

Download at play store:





Select the desired transport mode!

FIRST CLIMATE CHALLENGE LAUNCHED IT'S YOUR CITY. **IT DEPENDS ON YOU!** #ОдТебеЗависи

The Challenge #ItDependsOnYou

- Prototyped in 2 countries: Macedonia and Armenia
- Launched in Dec 2014, the Challenge invited citizens to step up and play a role in addressing the Climate Change issue, by submitting proposals for innovative projects aimed at solving three fundamental climate-related challenges:
- What can we do to reduce the level of carbon emissions in cities?
- 2 How can we better adapt to the climate challenges we face?
- 3 How can we make better use of smart technologies to increase our resilience?



The Methodology

Social Innovation Camp Methodology

- Traditional media
- Social media
- Itch workshops
- Prototyping event

Itch workshops

- 5 cities
- More than 100 citizens participated

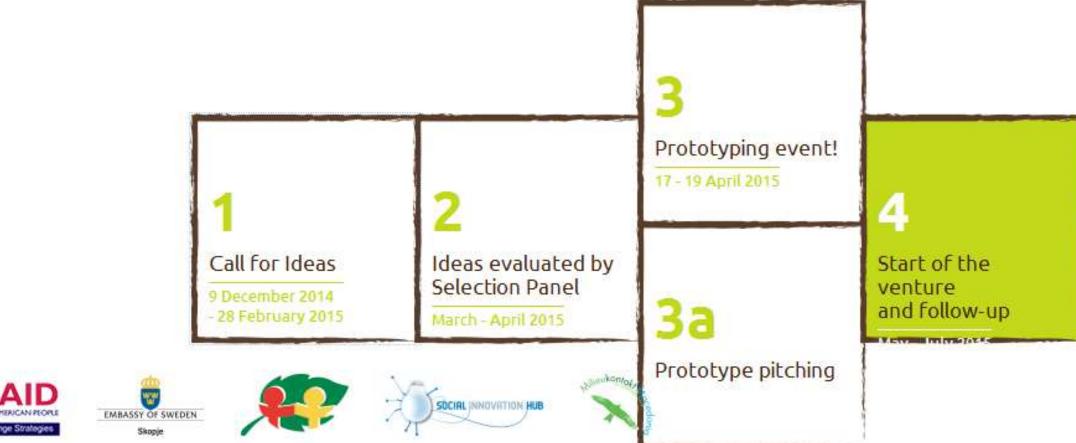


The numbers behind the challenge

- 2 months campaign involving celebrities
- Huge response on social media
- Over **200** media reports
- Over **30,000** visitors to the website
- 129 applications received
- 10 finalists
- 2 winners



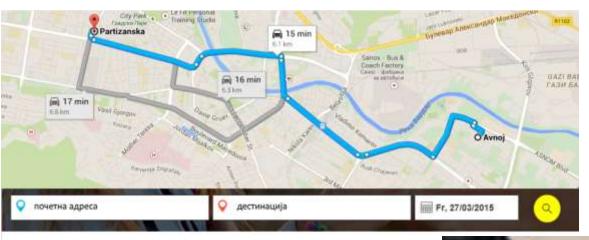
The process and the Partners



PARTNERS



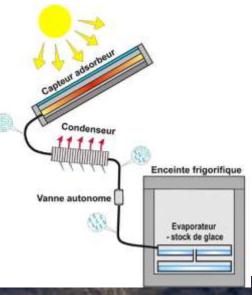
The ideas





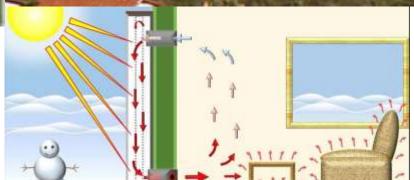
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Спортска сала во средно медицинско училиште во Штип Место за поставување на воздушен соларен систем 55м2





The winners

CBECTICE

Smart shoes

• Viral videos

Links

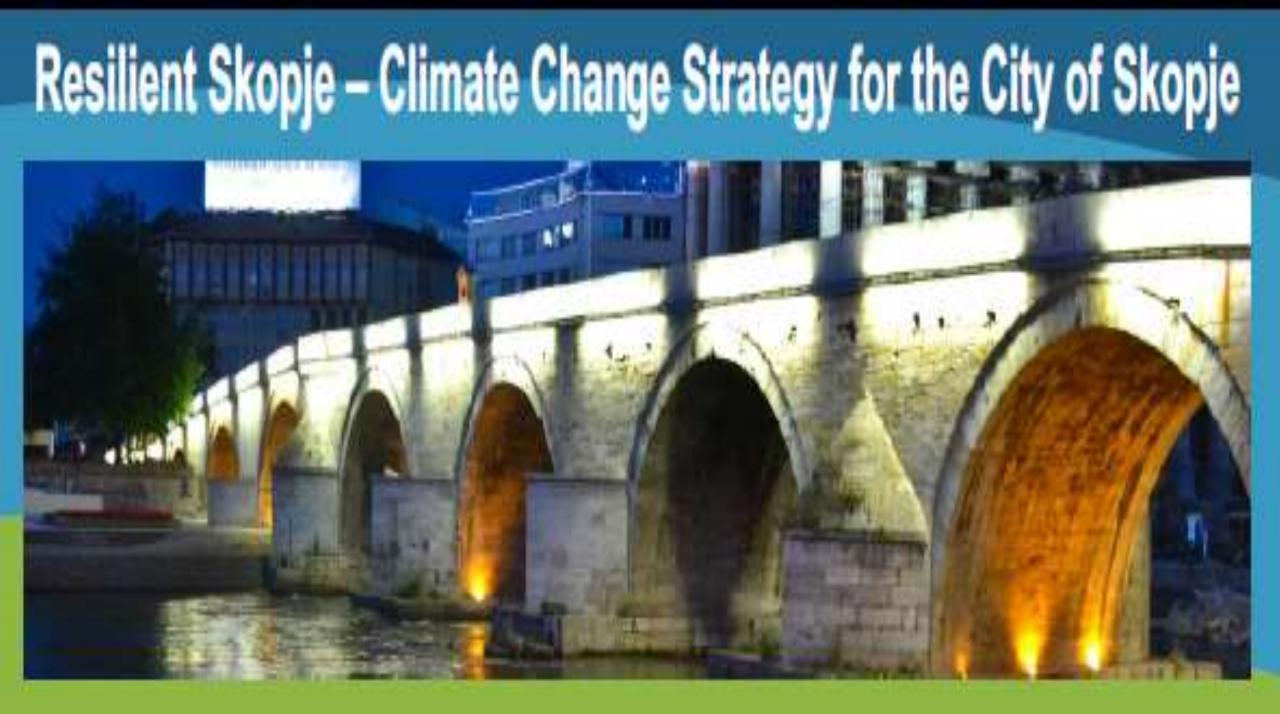
- <u>Storify</u>
- <u>Climate change challenge: #ОдТебеЗависи</u>
- From sun solutions to climate cafés: Nationwide campaign taps into local talent
- Phone-charging shoes? Toto, we're not in Kansas anymore
- <u>http://odtebezavisi.mk/home/</u>
- www.klimatskipromeni.mk



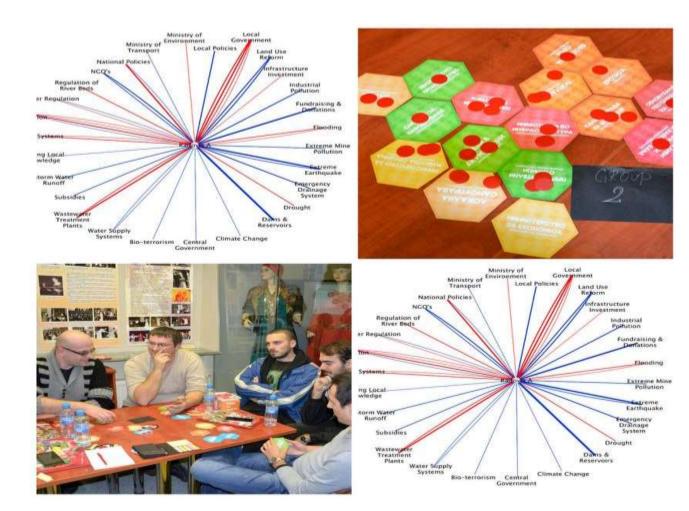
Follow up

- Direct benefit Cooperation with French Embassy related to COP21 (innovative ways for raising awareness of media and citizens)
- Additional funds mobilized (app.70,000\$)
- High interest on the ideas in the country and abroad
- Provide continuity to stimulate citizens to come up with new ideas
- Contest for the journalist best climate change story
- Contest for the citizens best climate change picture
- Crowdfunding





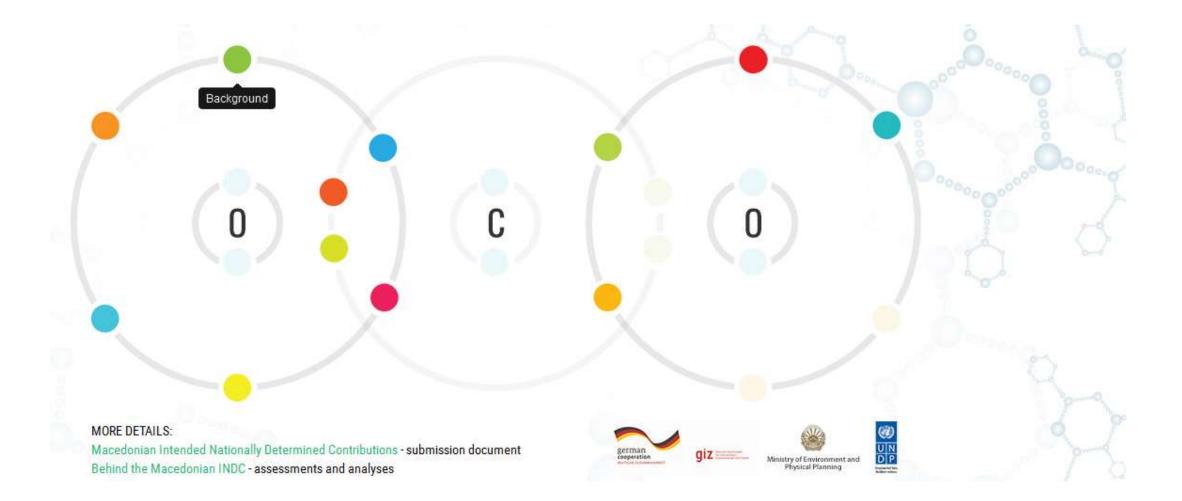
Public Participation in project design and implementation



- 15 workshop
- Huge social media campaign
- App. 1000 participants

• **3** priority sectors identified

Macedonia's Journey to Paris





- Starting point: Greenhouse gas emissions from the energy supply, buildings and transport sectors account for almost 80% of the country's total emissions
- Traveller: A high-level Macedonian delegation on behalf of app.2 million citizens
- **Destination:** Paris 2015 Conference
- Mid-point: The EU (as an EU candidate country, we have to take the EU level of ambition into account)
- **2 possible routes:** A 30% reduction of CO₂ by 2030 (or 36% at a higher level of ambition) compared to the business as usual (BAU) scenario
- **Time:** By 2030
- **Costs:** 260-280 million Euros per year (approximately 2.2% of national GDP)
- **Favour:** Social aspects: by implementing energy efficiency measures in buildings and by introducing low-carbon energy supply technologies, about 6,000 green jobs can be created by 2030.
- Avoid: Business as usual scenario

Thank you

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