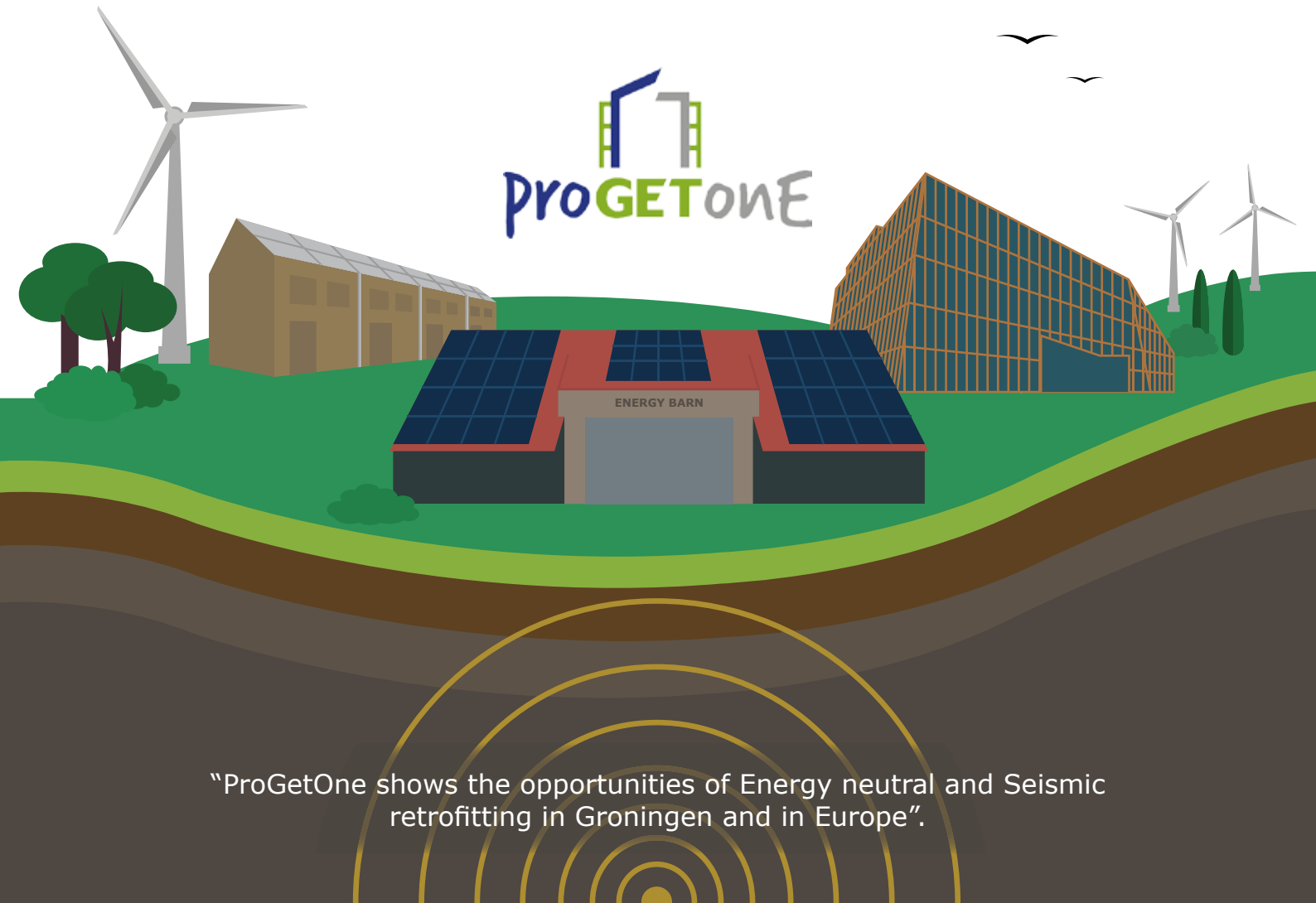


# Symposium ProGETonE

October 20, 2017 | BuildingG Groningen | 9:30 AM - 18:30 PM



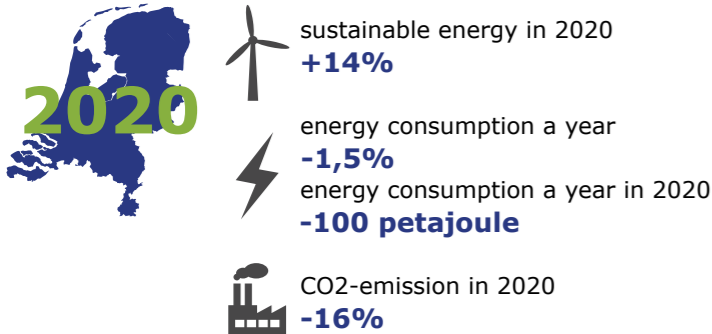
"ProGetOne shows the opportunities of Energy neutral and Seismic retrofitting in Groningen and in Europe".

# 1 + 1 = 3

## An opportunity to protect your building from earthquakes while saving lots of energy

The housing building sector in the EU-member states is confronted by a huge challenge to reduce the CO2-emission dramatically and to become energy neutral in 2050. The EU houses stock accounts for 200 million units and represents around 27% of the energy consumption in the EU.

At the same time there are regions in the EU that are confronted by a second and even bigger challenge: to make the housing stock seismic resistant. Sometimes because codes and insights in vulnerabilities of buildings have changed, sometimes because new seismic threats have risen.



Although this is a serious topic with huge impact for the inhabitants, it also poses an opportunity for the aim of lowering the energy footprint.

The exploitation of the Groningen gas field has resulted in shallow earthquakes that have a high structural impact on buildings in the wider area around Loppersum. Seismic retrofitting needs to be checked for approximately 22.000 houses in the coming 5 years.

Within the framework of the European Horizon 2020 research programme a consortium of 15 universities, research institutes and industries have started the ProGETonE research project.

Together they study the opportunity of combining seismic retrofitting with reducing the energy emission in three actual case studies (in Italy, Romania and the Netherlands).



**"Approximately 22.000 buildings in Groningen need to be seismic checked in the coming years"**

They will study the technical possibilities, the use of new techniques and technologies and the social consequences.

With this symposium we hope to raise awareness for the opportunities in Groningen among all stakeholders. We want to share the knowledge with and of our European partners and build on new networks and relations. Not only for the current Dutch task, but also for future European opportunities.

# Programme

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<b>Ad van der Aa</b> (ABT   Consulting engineers)	<b>09:30 - 10:00</b>	Check-in & coffee Welcome
<b>Philippe Moseley</b> (Executive Agency for SMEs - European Commission) <b>Annarita Ferrante</b> (Project coordinator - University of Bologna) <b>Lex de Boer</b> (Lefier Social Housing corporation)	<b>10:00 - 12:30</b>	The EU Horizon 2020 strategic agenda and challenges  ProGETonE project - Opportunities of energy neutral and seismic retrofitting Seismic and sustainable renovation from the perspective of social housing Findings and Lessons from previous EU research projects on deep renovation Seismic and sustainable renovation in the Groningen Area
<b>Peter op 't Veld</b> (Huygen Ingenieurs en Adviseurs) <b>Rudi Roijackers</b> (ABT   Consulting engineers)	<b>Lunch 12:30 - 13:30</b>	
	<b>Workshops 13:30 - 14:30</b>	<b>Seismic improvement and energy neutral retrofitting</b> Workshop 1: Technical challenges Workshop 2: Financial challenges Workshop 3: Social challenges
	<b>Plenary feedback 14:30 - 15:30</b>	
	<b>Break 15:30 - 15:45</b>	
<b>Ad van der Aa</b> (ABT   Consulting engineers) <b>Nienke Homan</b> (Province of Groningen) <b>Hans Alders</b> (National Co-ordinator Groningen)	<b>15:45 - 17:00</b>	Afternoon programme Challenges in the Groningen earthquake region The social and financial impact of the renovation for the Groningen communities
	<b>Paneldiscussion 17:00 - 17:30</b>	Paneldiscussion about the opportunities of seismic reconstruction and sustainable solutions
	<b>Drinks &amp; bites 17:30 - 18.30</b>	

### More information?

[www.progetone.eu](http://www.progetone.eu) | [progetone@abt.eu](mailto:progetone@abt.eu)  
Natasja Rutten ABT +31 (0)26 368 3168

### Location symposium

BuildinG Groningen  
Zernike 17 | 9747 AA Groningen



ProGETonE stands for Proactive synergy of inteGrated Efficient Technologies on buildings.

15 European entities work together in the innovation project ProGETonE to deliver new ways to renovate buildings. They do this by increasing the seismic safety, drastically reducing the energy consumption, while keeping a user-centred approach.



# Partners



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