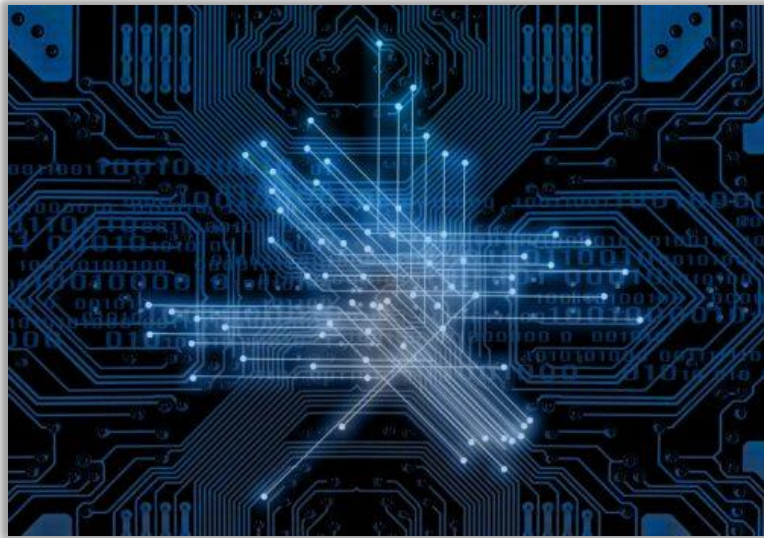


# METABUILDING 1st GROW / HARVEST CALL : MEET THE WINNERS !



*Unleashing the Innovation Potential of EU Construction SMEs*

## Construction + ICT Challenge



- Monitoring and managing building energy / comfort / health performance in buildings
- New BIM and digital tools for SMEs



METABUILDING Project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No. 873964. The sole responsibility for the content of this document lies entirely with the author's view. The European Commission and the European Innovation Council and SME Executive Agency (EISMEA) are not responsible for any use that may be made of the information it contains.

# METABUILDING 1st GROW / HARVEST CALL : MEET THE WINNERS !

## ClimateBuild

For a Climate Proof Construction Process

SECTORS INVOLVED : Construction · Digital Industry



ITALY



ITALY



SPAIN



METABUILDING Innovation Stakeholder providing technical support | ITALY

*"ClimateBuild will be the BIM tool tailored to the end-users needs for a climate-proof construction process."*

*Alessandra Tedeschi  
Deep Blue · R&D Director*

*"Our project aims at becoming the most accurate tool for integrating the effects of climate change and extreme events in the design and maintenance processes of buildings and infrastructure."*

*Marcello Petitta, PhD.  
Amigo · Scientist*

*"ClimateBuild will contribute significantly to a greener digital transition in the construction sector."*

*Vicente Masso  
Master in Telecom, Engineering  
Actum4 · CEO*



# PROBLEM

People and infrastructure are more and more exposed to natural disasters driven by climate change

**The Observer**  
South Africa

**Sarah Haque** and agency

Sat 16 Apr 2022 14.04 BST



## South Africa's flood-ravaged east hit by more heavy rain

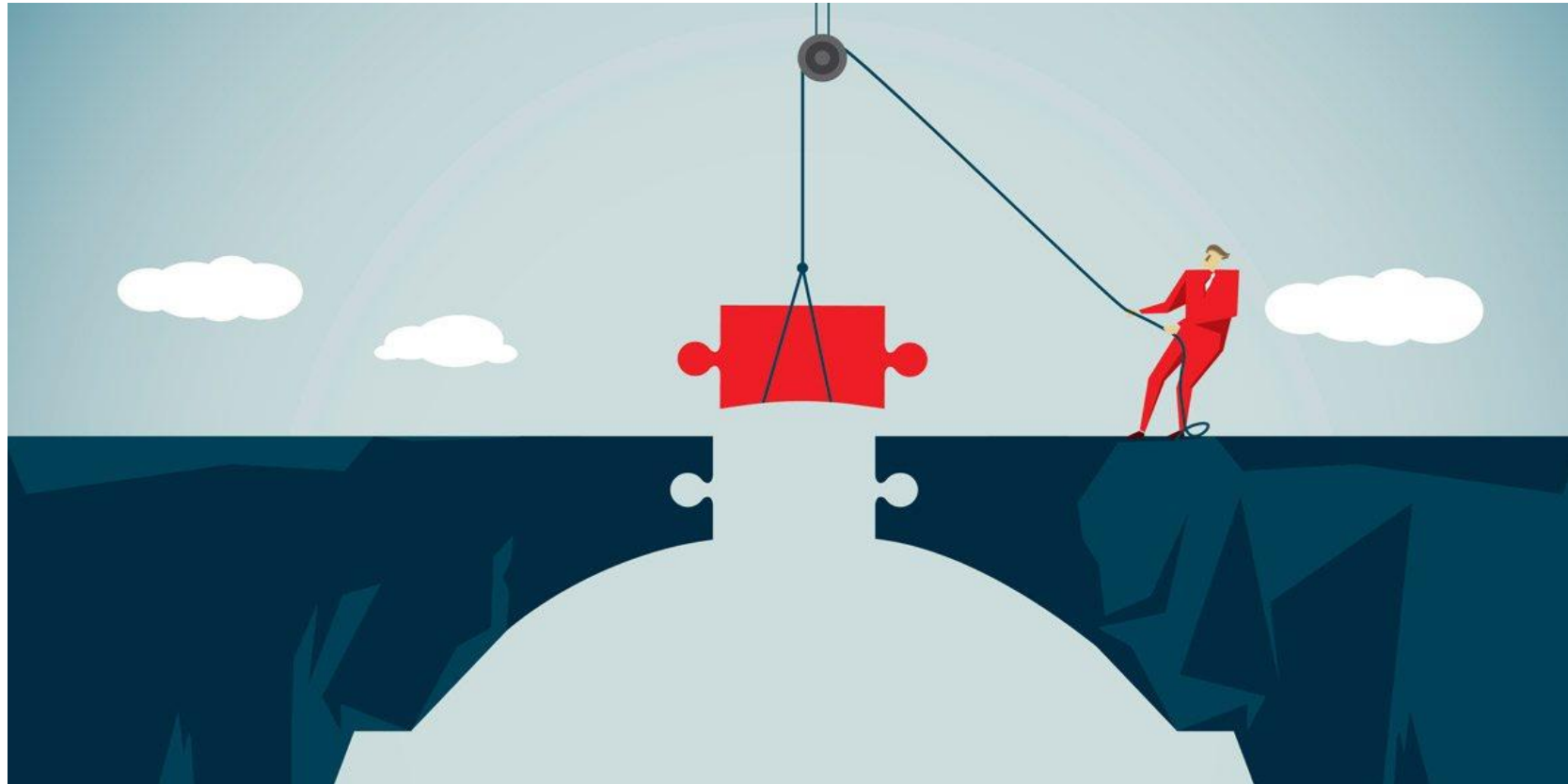
Emergency services on high alert in KwaZulu-Natal as search for victims continues, with almost 400 dead



People stand near the remains of a building at KwaNdengezi station, near Durban. Photograph: Rogan Ward/Reuters

# ClimateBuild PROJECT

ClimateBuild a EU-funded project for climate-resilient infrastructure



**ClimateBuild received fundings from H2020-INNOSUP programme directed by the European Innovation Council and SMEs Executive Agency (EISMEA)**

Our consortium integrates all the expertise needed to develop and implement the service:



Amigo is responsible of the climate service development.



ACTUM4 is responsible for creating the business model.



Deep Blue is responsible for implementing a user-centred design approach.



E&G is the end user, providing its expertise in the construction field.

ClimateBuild aims to develop a tool to support the construction sector in designing and maintaining critical infrastructure to cope with changes of extreme events caused by climate change



(1) Identify the requirements of the construction sector partner, E&G, for an updated risk map for precipitation in Europe, containing all the information needed for infrastructure planning.

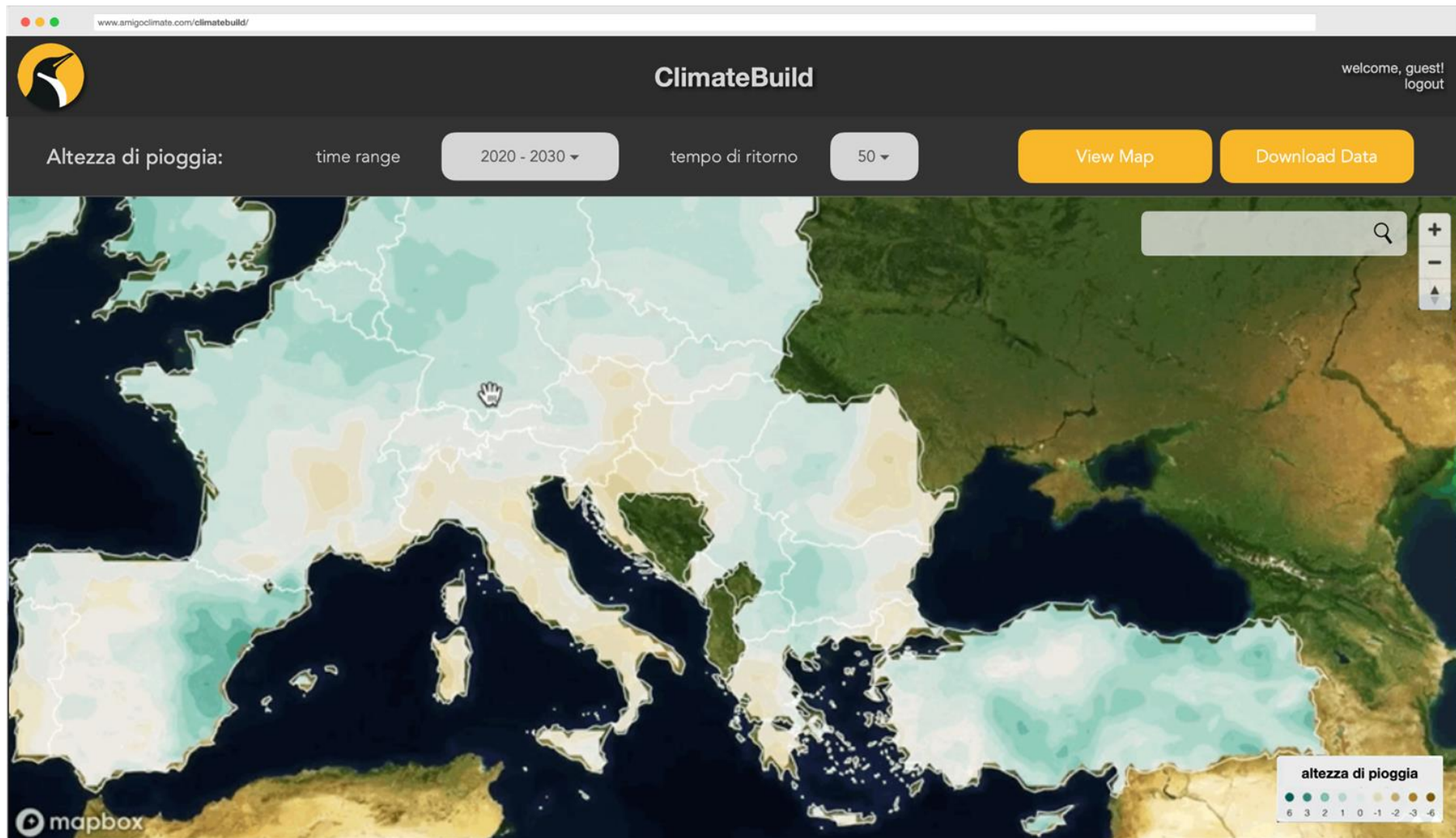
(2) Create a new database with the risk coefficient for extreme precipitation in Europe using climate scenarios for the next 50 and 100 years and considering two different climate scenarios. Design and prototype the software service that integrates the risk maps into the BIM.

(3) Create a business model for the commercialisation of the solution and the associated marketing and commercialisation strategy.

# ClimateBuild SOLUTION



This was possible only because of METABUILDING!



ClimateBuild responds to the challenge Construction-ICT: 1.2 New BIM and digital tools for SMEs

As such, it enables the construction sector to be prepared to cope with climate change

**“ I’m a METABUILDER because I believe in concrete solutions  
to build a climate-resilient society ”**





Thank you for your kind attention

Project :

[www.metabuilding-project.eu](http://www.metabuilding-project.eu)



Platform :

[www.metabuilding.com](http://www.metabuilding.com)



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