

Flood footprint and mapping

in Thua Thien Hue province, Viet Nam

Project partner: Thua Thien Hue Steering Committee for Natural Disaster Prevention and Control **Project funding:** Z Zurich Foundation Flood Resilience project in Viet Nam

PROBLEMS/CHALLENGES







Severe and increased flooding risk

WATER LEVEL

MỨC LŨ

10/2022

Flood Resilience Alliance

2020

Max water level

Total rainfall (mm)

Highest daily rainfall (mm)

(Huong River)

ISET

2020

4.17 m

2132

538

2022



Flooding risks are changing over time but there is a lack of evidence related to drivers of risks



Impact of **poor urbanization** on urban flooding



Lack of practical information about flood depth for warning



Identify how flooding risks change and evaluate main drivers of risks

Scan to access

2022

4.0 m

982

418

the GIS database

Used for research and urban planning

Open to the public

information

-sharing and

raising

disaster memory

for awareness

2022 flood maker in

Nhi Dong community,

 (\diamond)

 $\langle \heartsuit \rangle$

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Hue City

VIFT NAM

THUA THIEN

HUE

managed collaboratively by the provincial DRM agency and the Hue **Smart City Center**

Analyze drivers of flood

(with additional data) understand how the flood pattern has changed

inexpensive yet useful simple yet effective

SUSTAINABILITY

The system and data are **recognized by the city**

Database is **updated over time by the DRM agency** and managed by the DRM agency and the city using government funding

Low-cost and easily replicated



