





Regional-scale flood hazard modelling in Tekirdağ and Samsun

Hafzullah AKSOY V. S. Ozgur KIRCA Dorukhan KELLECIOGLU Halil Ibrahim BURGAN Isitan Selin ERMIS





Istanbul Technical University Department of Civil Engineering Division of Hydraulics (ITU)

In collaboration with Bogazici University Kandilli Observatory and Earthquake Research Institute (KOERI)

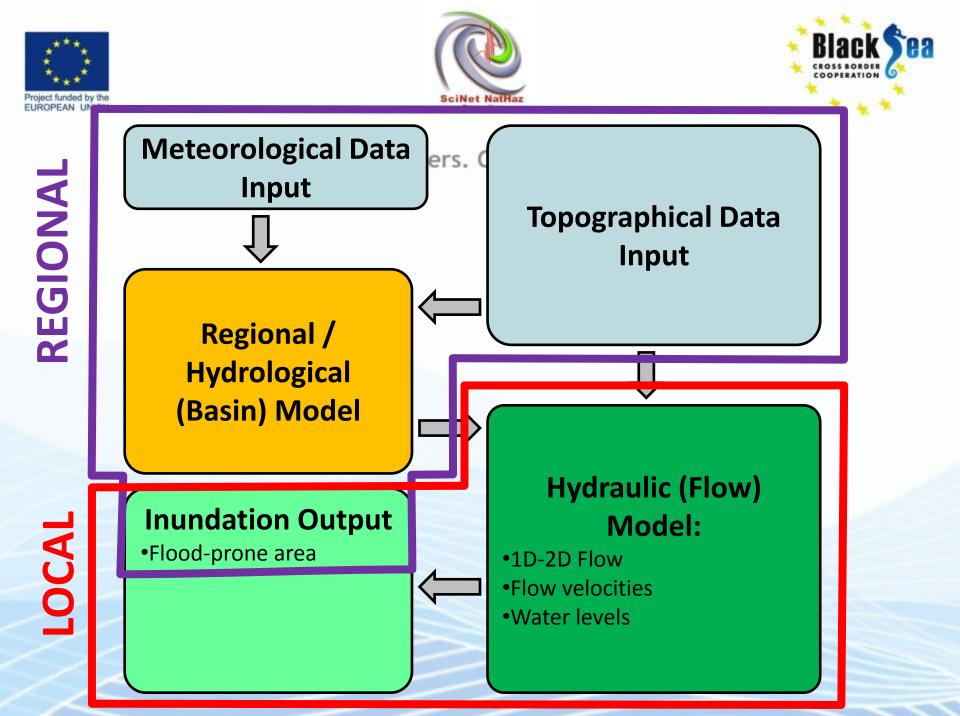






Contents

- Procedure
- Implementation
- Results

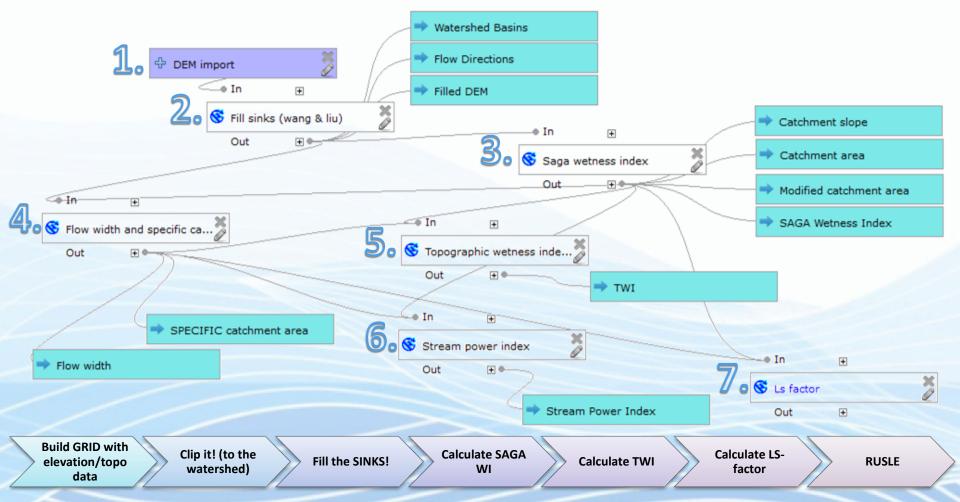








Common borders. Common solutions. Steps for Wetness Index Calculation in QGIS









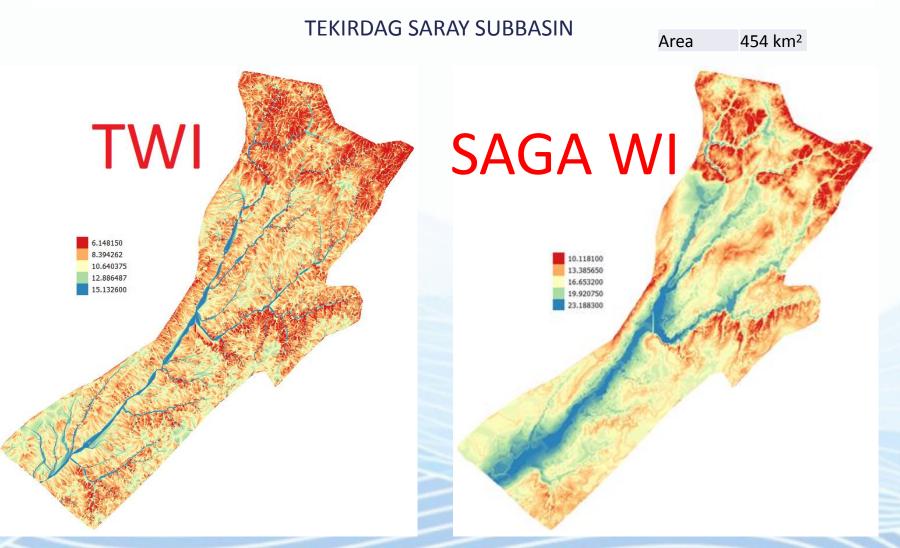












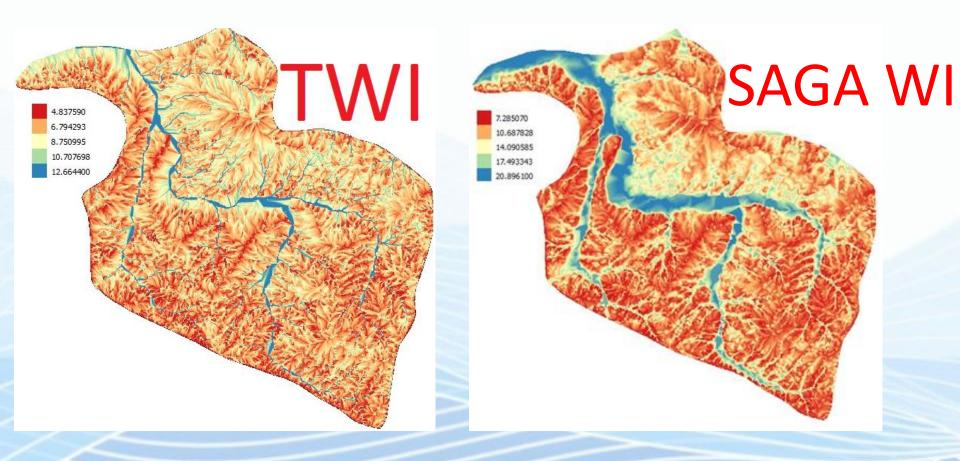






TEKIRDAG YENICE SUBBASIN Area

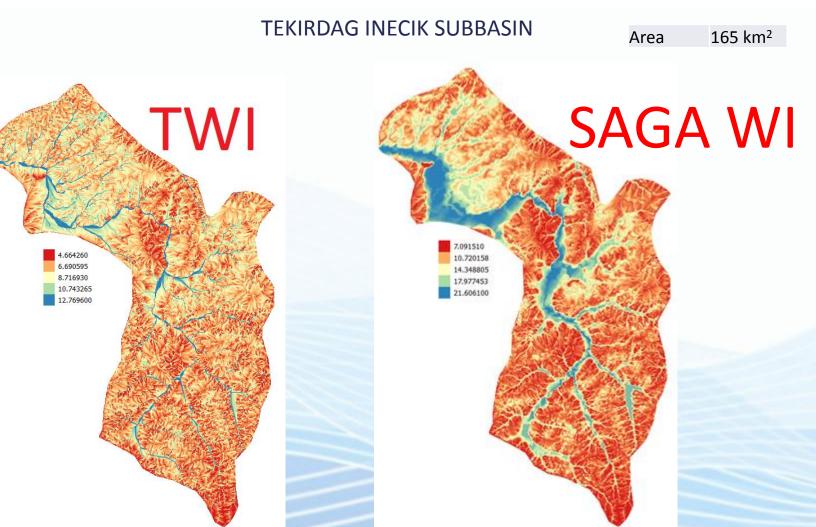
118 km²











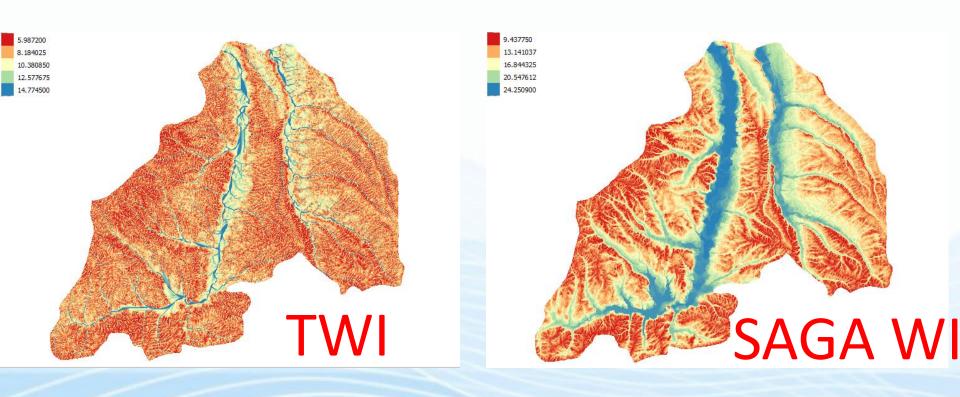


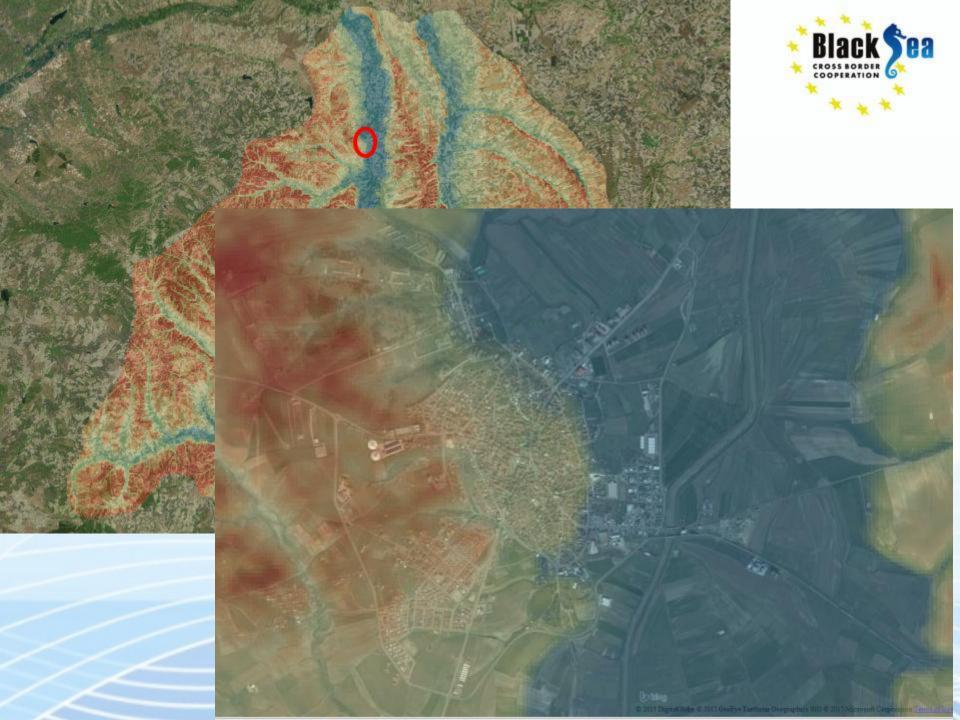




TEKIRDAG HAYRABOLU SUBBASIN

Area 1800 km²







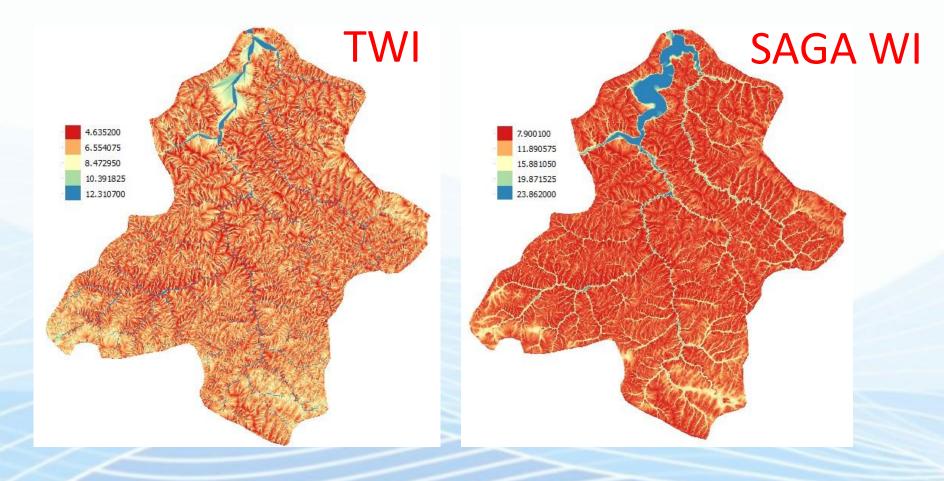




642 km²

Area

RESULTS OF REGIONAL SCALE MODELS SAMSUN DERBENT SUBBASIN

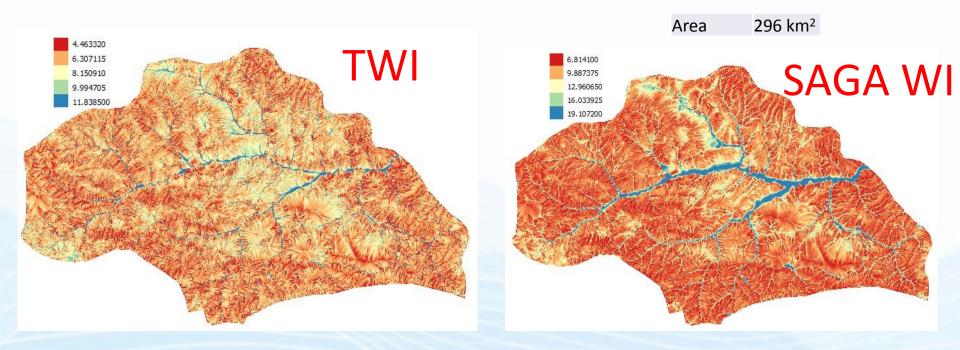








SAMSUN KAVAK SUBBASIN

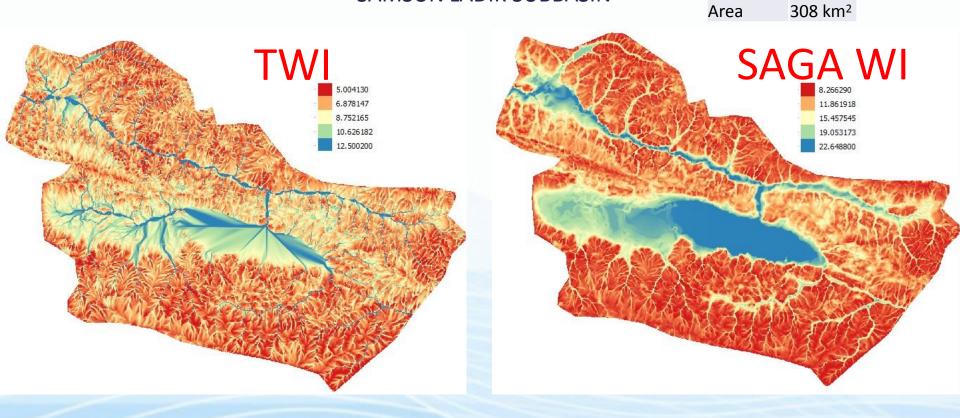


















Dissemination

Proceedings of the Mediterrane an Meeting on "Monitoring, modelling and early warning of extreme events triggered by heavy rainfalls". PON 01_01503 - MED-FRIEND project University of Calabria, Cosenza (Italy), June 26th-28th, 2014

FLOOD HAZARD ASSESSMENT AND MODELLING PRACTICES IN TURKEY

H. Aksoy¹, V.S.O. Kirca¹, K. Papatheodorou²

¹Civil Engineering Department, Istanbul Technical University, Maslak, Istanbul, Turkey ²Civil, Surveying and Geomatics Engineering Department, Technological Educational Institute of Central Mecedonia, Serres, Greece

Legislative Aspects of Flood Hazard Prevention and Resilience in Non-EU Member European Countries

V.S. Ozgur Kirca^{1*}, Hafzullah Aksoy¹, Konstantinos Papatheodorou² & Katia Stepanova³ ¹ Istanbul Technical University, Dept. of Civil Eng., Istanbul, Turkey

² Technological Edu. Ins. of Kentriki Makedonia, Civil Eng. & Geomatics & Surveying Eng. Dept., Serres, Greece
³ Environmental Academy of Sciences, Black Sea Branch, Odessa, Ukraine

*Corresponding author: e-mail: kircave@itu.edu.tr, Tel +902122857006, Fax: +902122857006

İSTANBUL TEKNİK ÜNİVERSİTESİ ★ FEN BİLİMLERİ ENSTİTÜSÜ

AKARSU HAVZALARINDA ZEMIN NEMLILIK INDEKSLERI ILE TAŞKINA MEYILLI ALANLARIN BELIRLENMESI

DETERMINATION OF FLOOD PRONE AREAS WITH SOIL WETNESS INDICES IN THE RIVER BASINS

YÜKSEK LİSANS TEZİ

Işıtan Selin ERMİŞ

Inşaat Mühendisliği Anabilim Dalı

Hidrolik ve Su Kaynakları Mühendisliği Programı

MAYIS, 2015







What's Next?

• Local-scale modeling