



REPUBLIC OF TURKEY  
MINISTRY OF INTERIOR  
Disaster and Emergency Management Presidency

# Trans-Institutional Collaboration for Flood Management in Turkey

*2<sup>nd</sup> World BOSAI Forum / IDRC 2019*

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REPUBLIC OF TURKEY  
MINISTRY OF INTERIOR  
Disaster and Emergency Management Presidency

# CONTENT

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## Flood Risk Management in Turkey

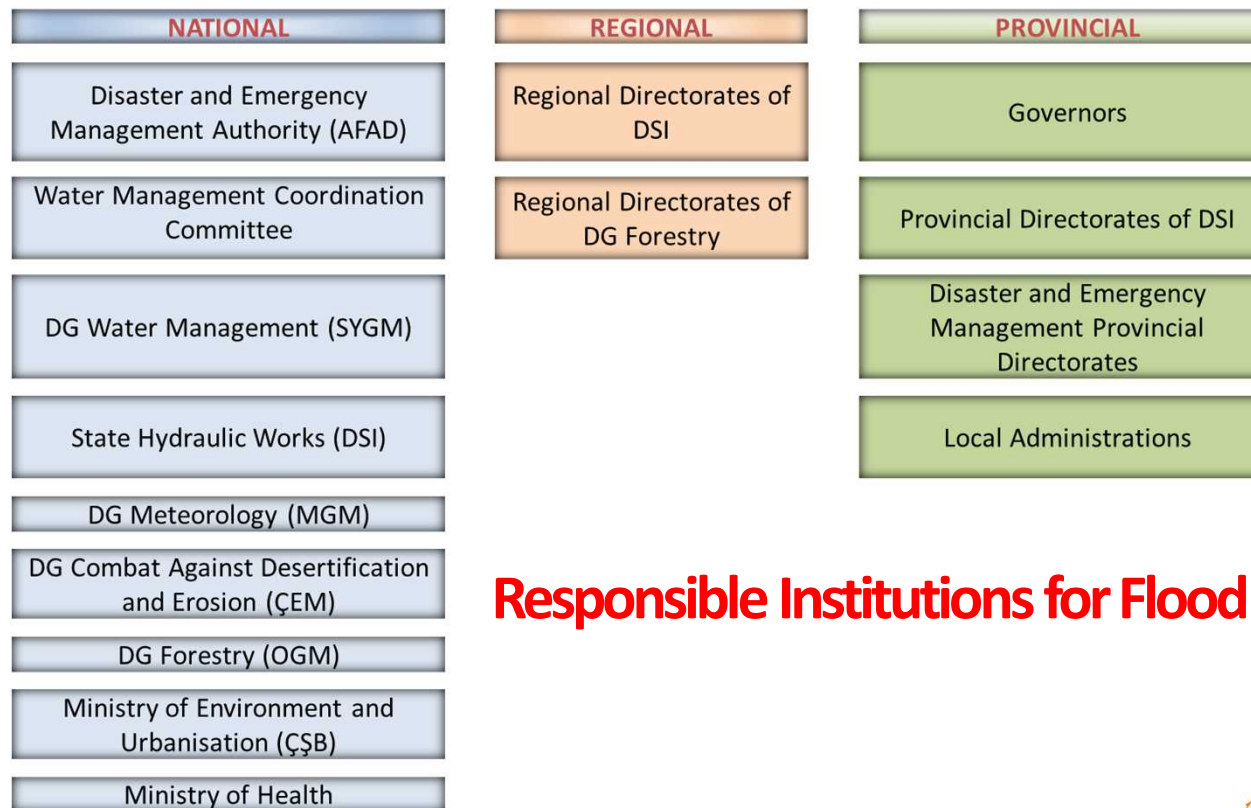
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## Examples on Collaboration

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## Flood Risk Management in Turkey

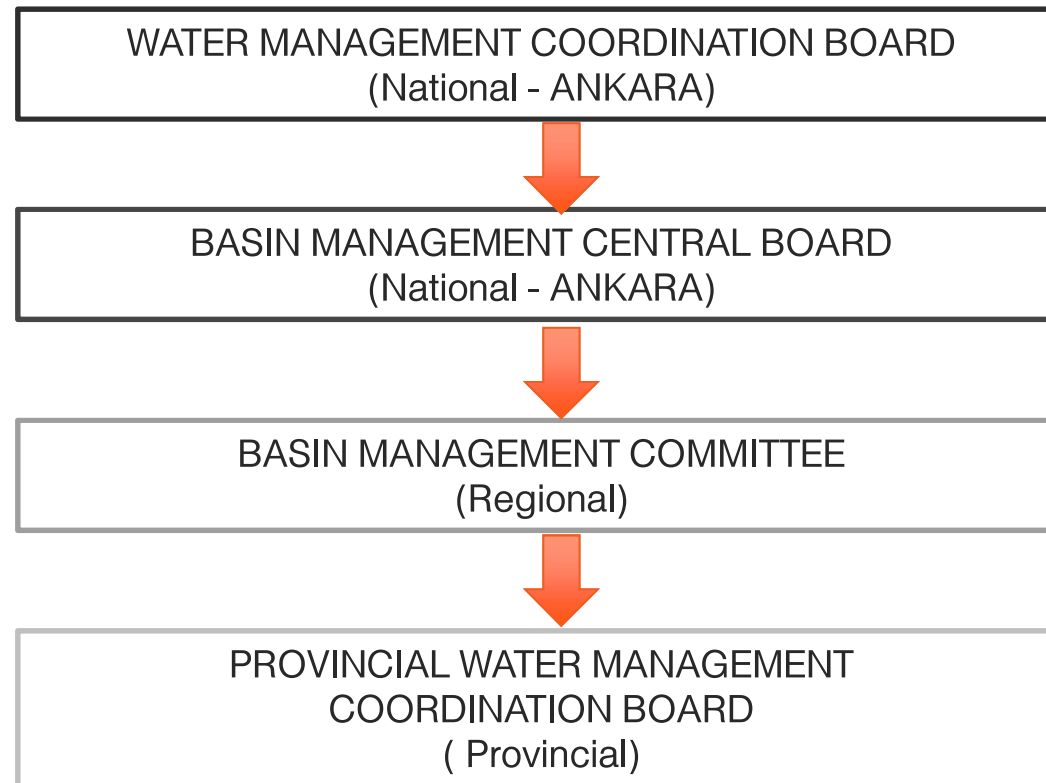


### Responsible Institutions for Flood in Turkey





## Flood Risk Management in Turkey





## Examples on Collaboration

# SITE SURVEYS FOR DISASTERS

## FLOODS SITE SURVEY



- ✓ DSI is main responsible for site survey of Flood
- ✓ The site survey making by DSI and AFAD together
- ✓ Flood site survey reports prepared by DSI and AFAD together
- ✓ According to result of the report ;
  - ✓ Prevention measures taken over by DSI
  - ✓ Relocation taken over by AFAD

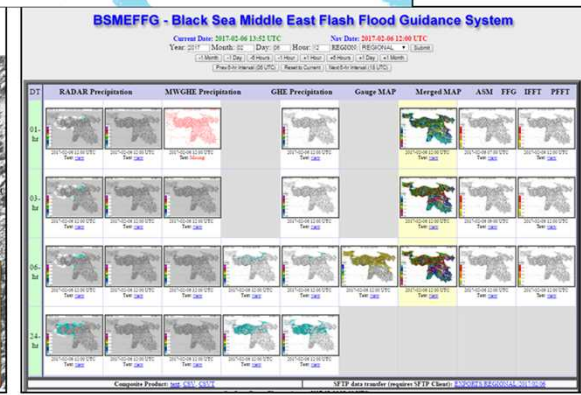
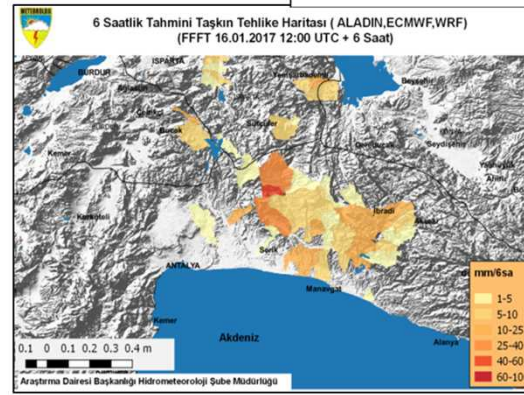
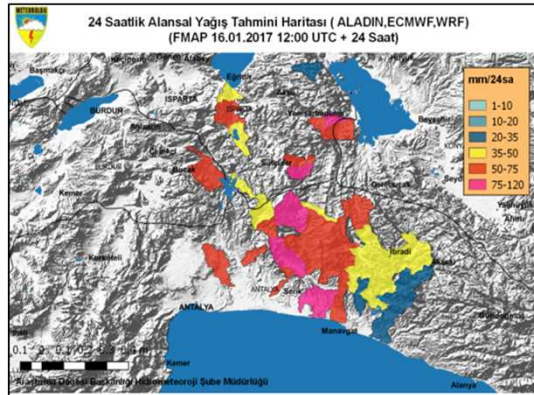
Natural disasters types such as Landslide, rockfall, **floods** (General Directories of Hydraulic Works), avalanche etc. are surveys on the site and prepared reports by the province AFAD.





## Black Sea and Middle East Regional Flash Flood Guidance System:

- ✓ Within the Flash Flood Early Warning Project, Turkey has been determined **the Black Sea and Middle East** regional flood warning center in 2010, and **the Southeast Europe** regional warning center in 2013.
- ✓ In order to prevent flash flood damages, real time, highly accurate flash flood early warning model is used.
- ✓ Flash flood warning products, which were initially made on **1 numerical prediction model**, are taken from **3 different models** as of the second half of 2016.







- ✓ Working in cooperation with General Directorate of Meteorology, General Directorate of State Hydraulic Works, World Meteorological Organization (WMO), US Hydrologic Research Center (HRC).



- ✓ In cooperation with General Directorate of Meteorology, Istanbul Metropolitan Municipality- Disaster Coordination Center (AKOM), World Meteorological Organization and US Hydrologic Research Center, works underway for the pilot project to be conducted in Istanbul.



# Thank You For Your Attention

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## FLOOD RISK MANAGEMENT IN TURKEY

### Water Management Coordination Board :

(to Ensure high level coordination  
and cooperation)

to ensure inter-sectoral coordination,  
cooperation and acceleration of water  
investments for effective water  
management,

to develop strategies, plans and policies  
for the realization of the targets in  
national and international documents,

to evaluate the implementation of the  
issues that should be fulfilled by public  
institutions and organizations in  
watershed plans,



The Secretarial services of  
the Board and the  
monitoring and coordination  
of the implementation of the  
decisions taken are carried  
out by the General  
Directorate of Water  
Management (SYGM).





## FLOOD RISK MANAGEMENT IN TURKEY

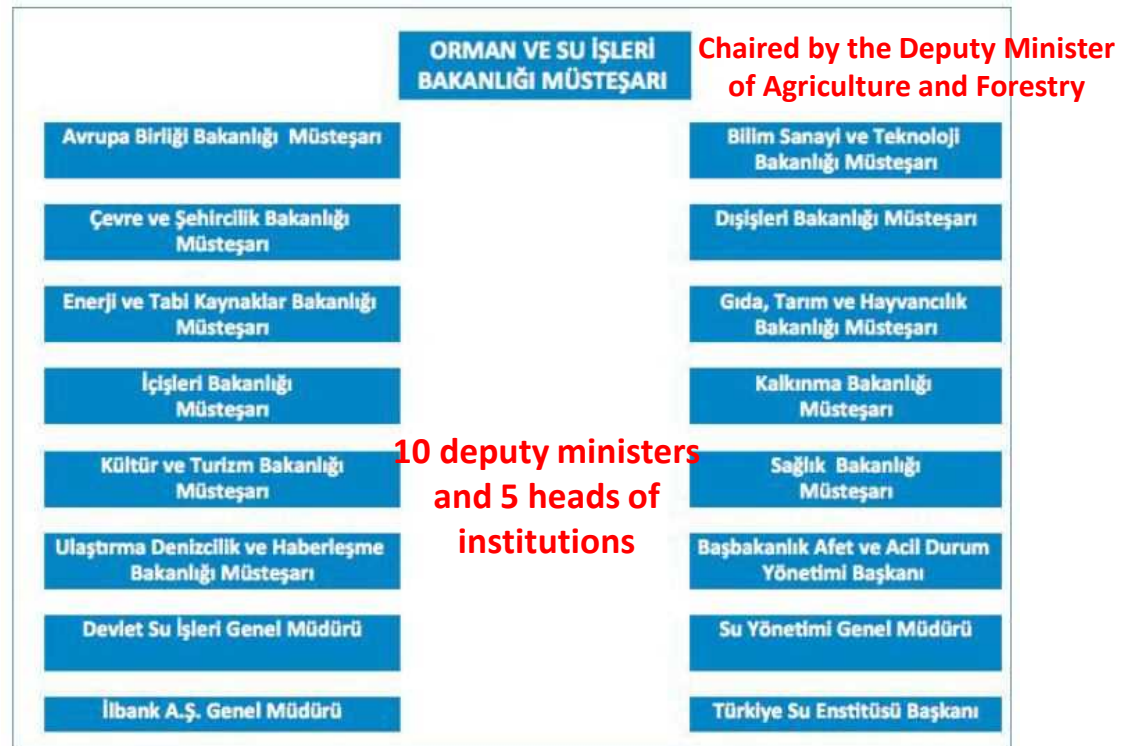
### Basin Management Central Board :

(to Ensure high level coordination  
and cooperation)

to ensure coordination and follow-up  
between institutions in preparation of  
flood management plans and flood  
control activities,

to follow the implementation of the  
prepared plans.

The secretariat of the Central Board  
of the Watershed Management is  
executed by the SYGM





## FLOOD RISK MANAGEMENT IN TURKEY

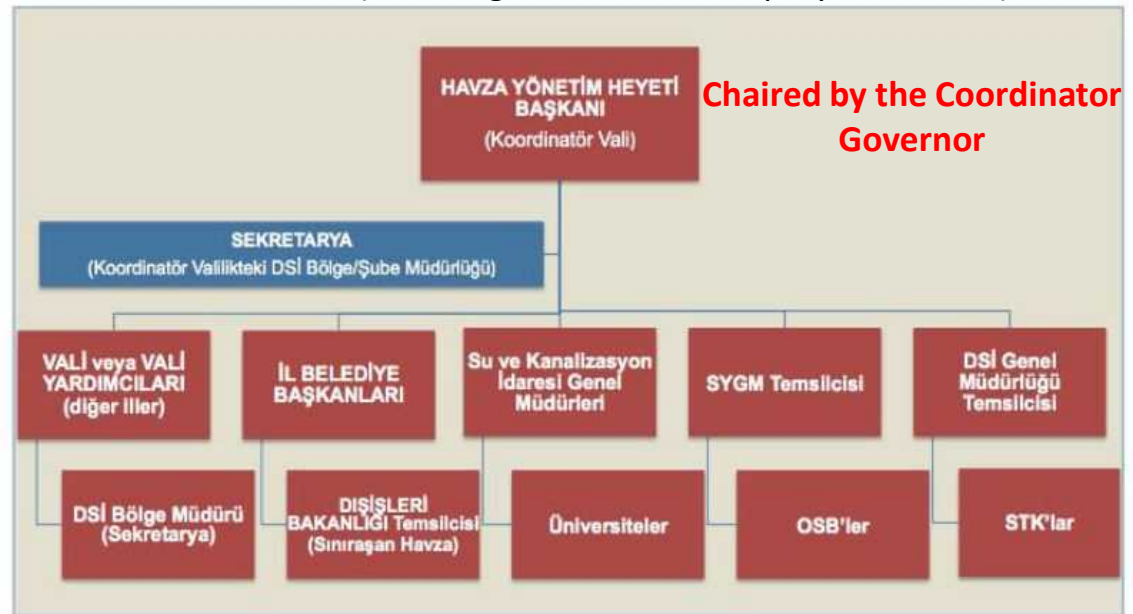
### Basin Management Committee :

(at Regional (watershed) level)

Monitoring and evaluate the implementation of flood management plans

Ensuring public access to information, consultation and active participation in the process of preparing, reviewing and updating flood and drought management plans.,

Representatives of organized industrial zone, university, municipality, DSI, SYGM and NGO (including Governors or Deputy Governors).



DSI Regional Directorate or DSI Branch Directorate executes the secretariat of the Committee.



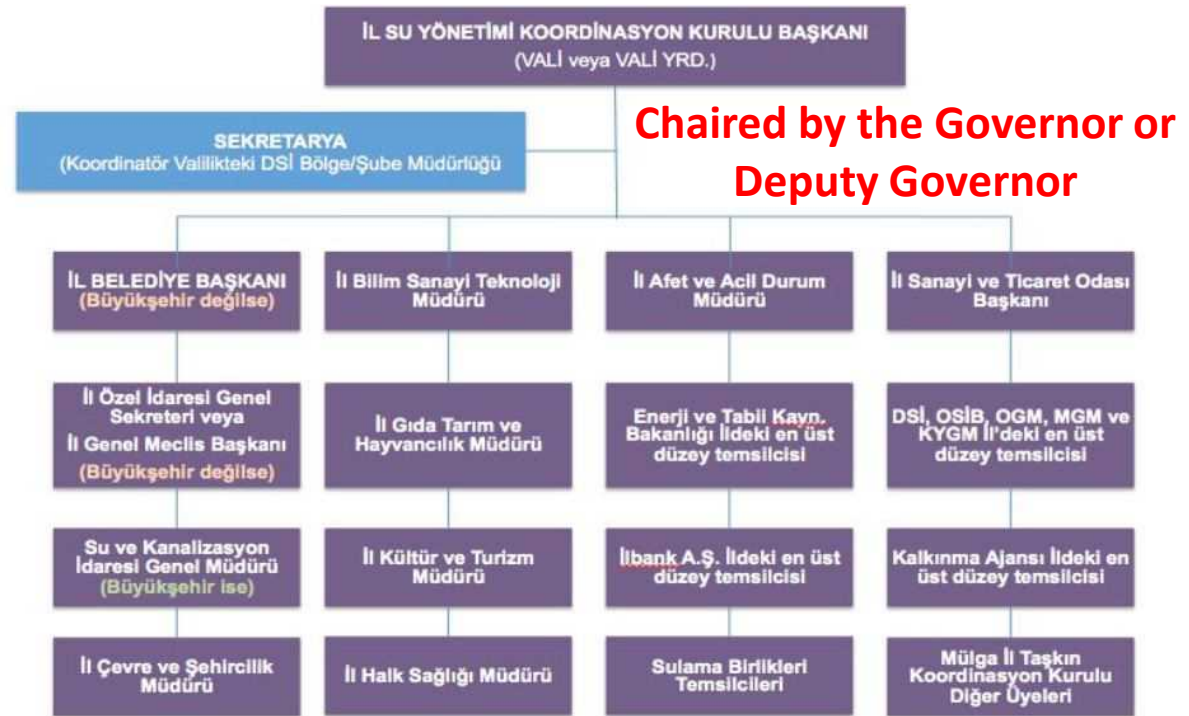


## FLOOD RISK MANAGEMENT IN TURKEY

### Provincial Water Management Coordination Committee :

(at province level)

The Secretariat is executed by DSI Regional Directorate or DSI Branch Directorate.





## FLOOD RISK MANAGEMENT IN TURKEY

Unfortunately, in some conditions municipalities neither could avoid development and preserve natural conditions nor neglect encroachment of areas identified as floodplains (and even the riverbeds) as designated by DSİ. Further, there is a lack of supervision, and penalty mechanisms to control implementation in such vulnerable areas.

