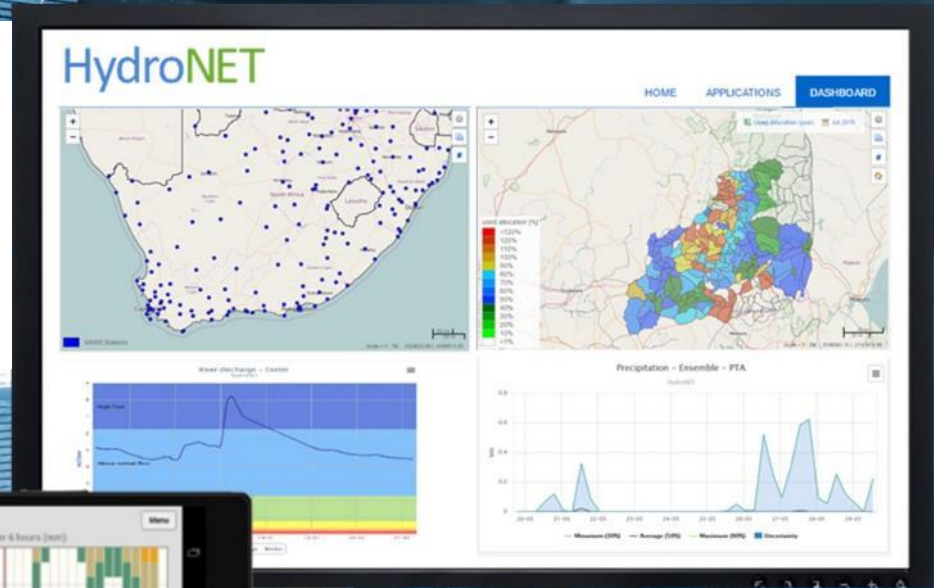


HydroNET

Supporting urban water management and improving flood resilience





Stakeholder

Share your water information with us

Too much to do and not enough time!?



Funders

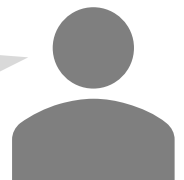
Give us an overview about what you have achieved

Can you provide me information?



Community

Do you have information that we can use in our project



Consultant

What is the flow at the border?



Partner



Colleagues



Can you give me a monthly report on the water system status



Board members

Can you give me information about water levels and quality?

What is HydroNET?

Web-based decision support platform for water professionals:

- Combine weather & water data with models and knowledge
- Generate personalised overviews, forecasts, warnings
- On operational, tactical and strategic level
- Tailored to your and your stakeholders' needs



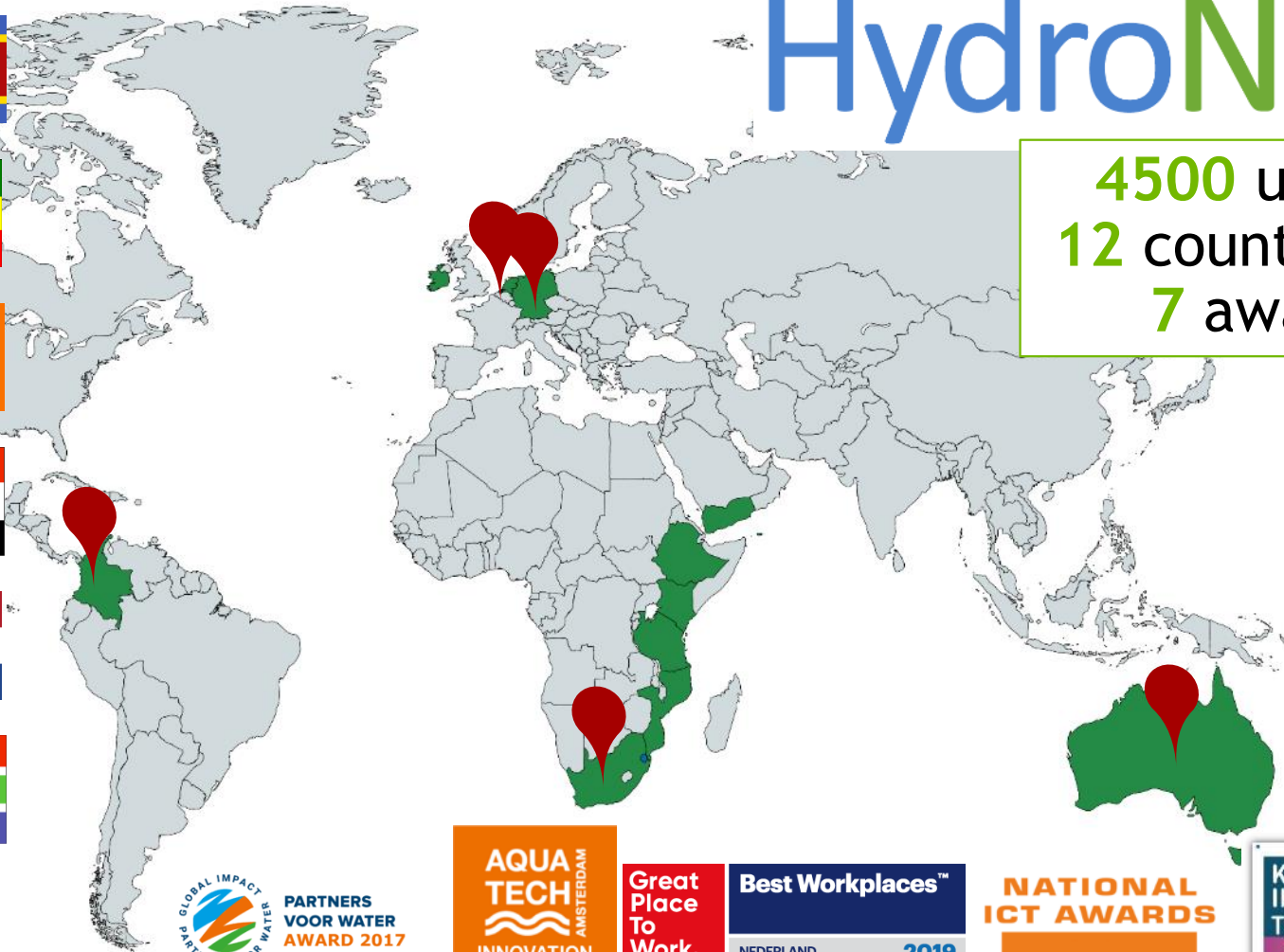
In order to:

- Take the best possible decisions for managing your water resources
- Share the information with your stakeholders and partners

For: a water-safe environment with sufficient clean water for all

HydroNET

4500 users
12 countries
7 awards



How much did it rain?

Benchmarking_MW- BoM vs HN Radar Data

29-09-2021 10:42 to 30-09-2021 10:42

+ Add application

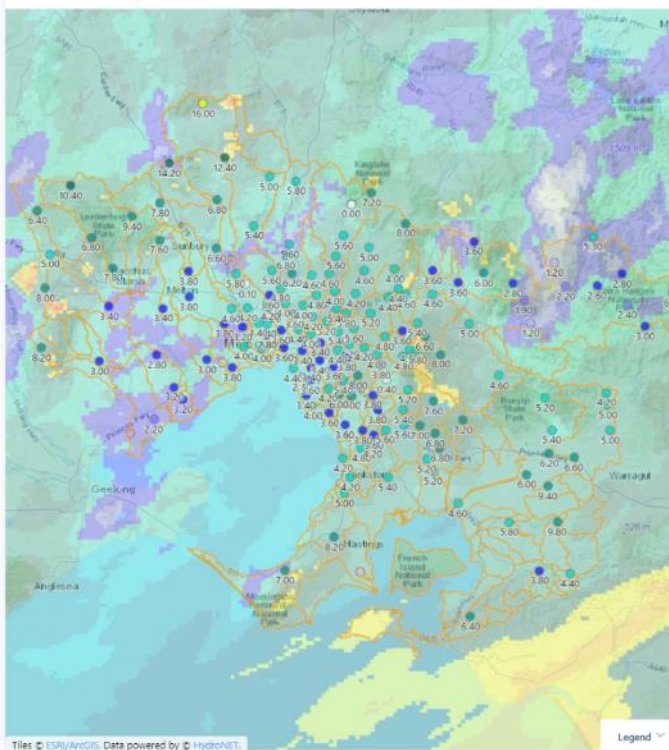
Dashboard settings

Edit mode

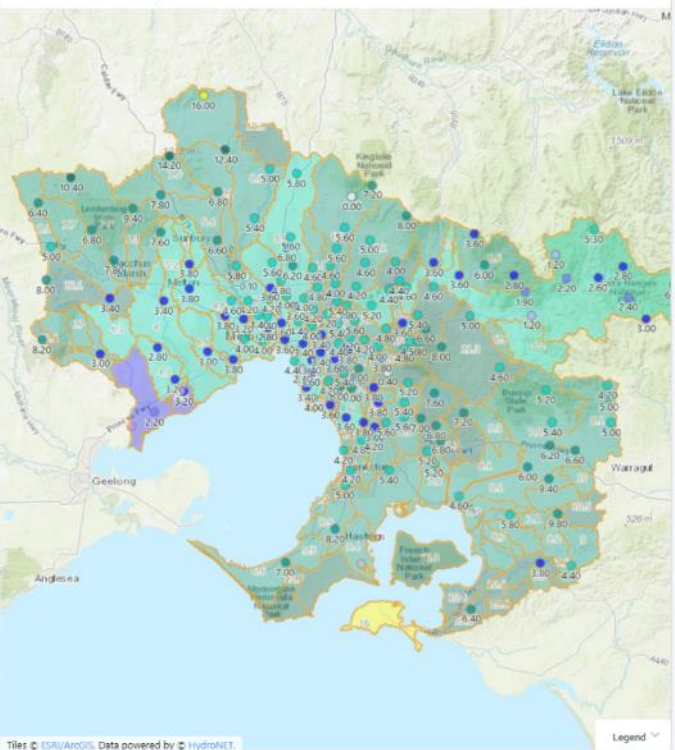


- Alert Testing Catchments
- Benchmarking-MW
 - Benchmarking_MW- Recorded Rainfall
 - Benchmarking_MW- Avg Rainfall Major Catchments
 - Benchmarking_MW- BoM vs HN Radar Data**
 - Benchmarking_MW- 10% ADFD
 - Benchmarking_MW- Elster Creek Rainfall Chart
 - Benchmarking_MW - River Levels
- Forecasts
- Councils - Casey
- Tides - Shared to All
- Brian Examples
- Flood Portal
- Web Camera Feeds
- TOOLS
 - Chart Tool
 - Dashboard Manager
 - Export Tool
 - Identity Manager
 - Map Tool
- OTHER
 - Support

HN Radar vs Rain Gauges



BoM RF3 Radar vs Rain Gauges



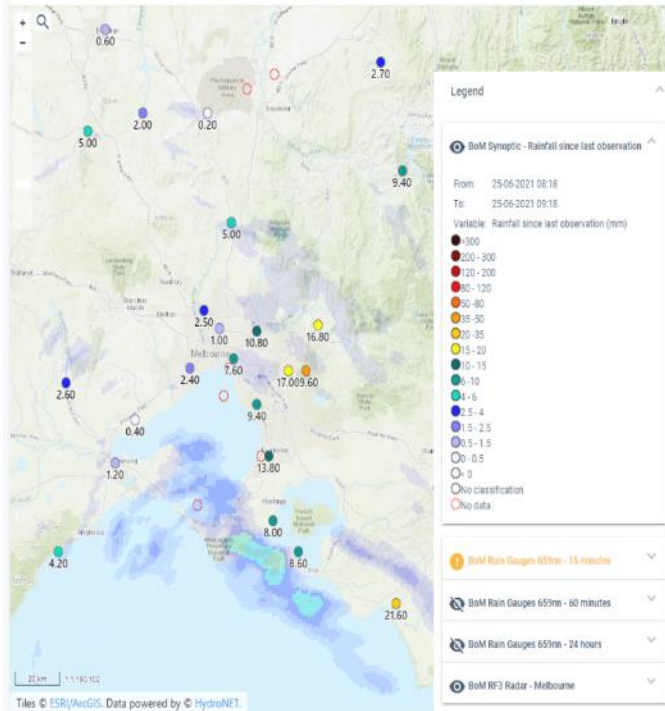
How much will it rain?

NowCast

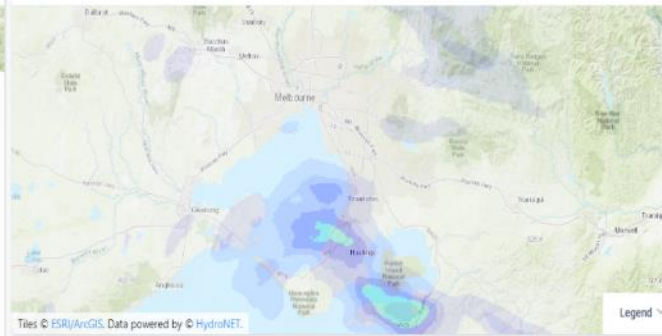
25-06-2021 08:18 to 25-06-2021 09:18

+ Add application Dashboard settings Edit mode

Melbourne - BoM Radar vs Gauges



BoM Nowcast - Next Hour



BoM NowCast - Next 15 Min



What happens in the river?

ADFD Forecasts- Aggr to Major Catchments

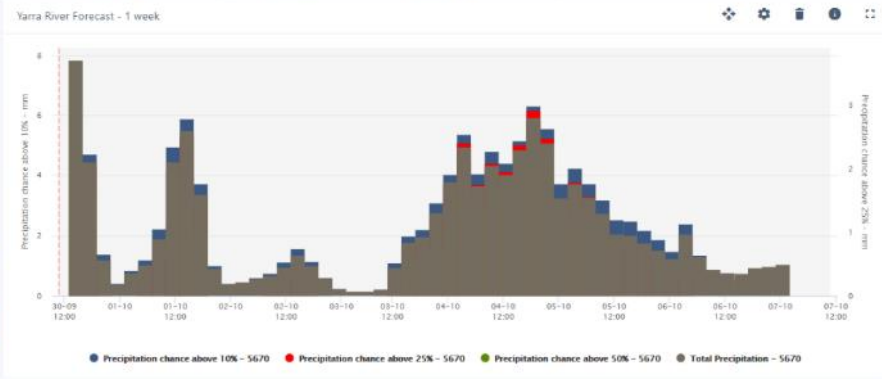
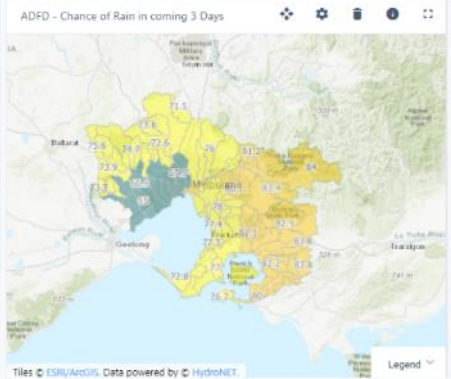
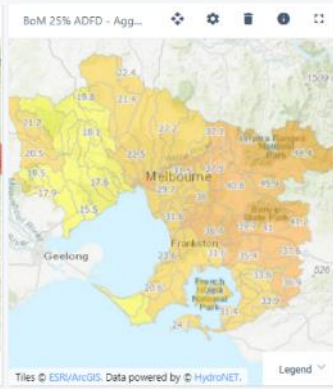
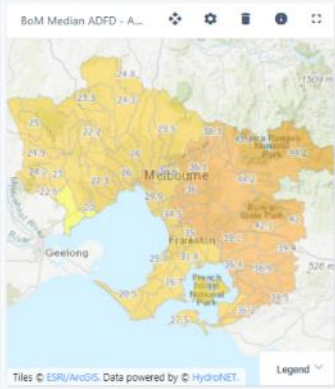
30-09-2021 10:52 to 07-10-2021 10:52

+ Add application

Dashboard settings

Edit mode

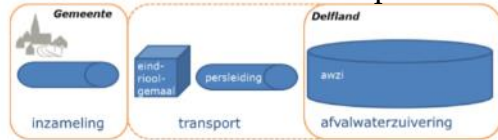
- Alert Testing Catchments
- Benchmarking-MW
- Benchmarking_MW- Recorded Rainfall
- Benchmarking_MW- Avg Rainfall Major Catchments
- Benchmarking_MW- BoM vs HN Radar Data
- Benchmarking_MW- 10% ADFD
- Benchmarking_MW- Elster Creek Rainfall Chart
- Benchmarking_MW - River Levels
- Forecasts
- ADFD Forecasts- Aggr to Major Catchments
- Forecasts - Pixels
- NowCast
- Councils - Casey
- Tides - Shared to All
- Brian Examples
- Flood Portal
- Web Camera Feeds
- TOOLS
- Chart Tool
- Dashboard Manager
- Export Tool



Will my sewage system overflow?



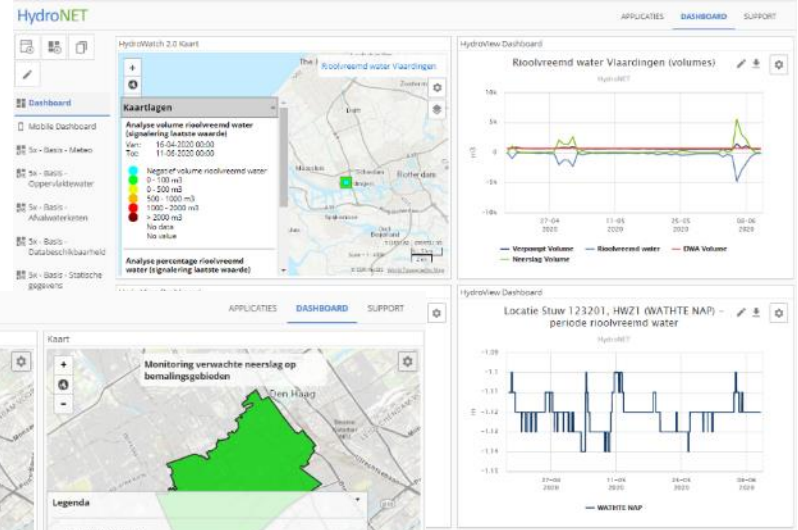
Precipitation



Wastewater chain



Ground- & Surface water



How often will my property be flooded?

Flood Maps
User Guide
General Information

Property Search

Search for address:

3 WESTMORLAND CRESCENT SHEPPARTON 3630

[Generate report](#)

Flood Map Selection

Type

Depth ▼

Selection ▼

0.5%

Dominant river case

No dominant case

[Show Map](#) [Clear Map](#)

Opacity

9%

0.5%

100%

3 WESTMORLAND CRESCENT SHEPPARTON 3630

Legend

- < 0.15m
- < 0.3m
- < 0.5m
- < 0.8m
- < 1.0m
- > 1.0m

Flood Report Portal

Greater Shepparton City / Goulburn Broken CMA
www.floodreport.com.au/shepparton

This is a Flood Information Report for 303 ARCHER STREET SE SHEPPARTON 3630, and Standard Parcel Index (SPI) 5611_P426548

This report provides a summary of available flood information for the selected property only. It does not constitute approval or otherwise of any development at the location. If you require a more detailed assessment specific to your development or works, you can submit a flood advice request to the CMA.

PROPERTY FLOOD INFORMATION

AEP	Water Level Min (m AHD)	Water Level Max (m AHD)	Water Depth Min (m)	Water Depth Max (m)	Max Velocity (m/s)	Max Hazard (F/D)
20%	-	-	-	-	-	-
10%	-	-	-	-	-	-
5%	-	-	-	-	-	-
1%	113.53	113.53	0.01	0.78	-	-
0.5%	113.95	113.95	0.01	0.0	0.45	0.12

Notes to Note:

- Flood data is sourced from the Shepparton Metropolitan Flood Mapping and Intelligence study.
- - in the table means that there is no data applicable for the property.
- The 1% AEP is the design flood used for land use planning, development and building decisions.
- Water Level refers to metres AHD, Water Depth refers to metres above natural ground level.
- Min and Max refer respectively to the minimum and maximum water level or depth on the property.
- Hazard is the maximum velocity the maximum depth.

DEFINITIONS

AEP - Annual Exceedance Probability The likelihood that a flood of a given magnitude is equalled or exceeded in any year, expressed as a percentage. There is always a chance that a larger flood than previously experienced will occur.

AHD - Australian Height Datum The adopted national height datum that generally relates to height above mean sea level.

INDICATIVE MAP OF THE EXTENT AND DEPTH OF THE 1% AEP FLOOD

The flood extent and depth shown in the map is the construction of the Goulburn dominant, Stom dominant or Neval scenarios.
For further information, please contact the responsible authority.

Page 1 of 2 | Report Generated on 11/06/2018 15:30

Leaflet | Vicmap API © State Government of Victoria

What should we be doing?



Mijn Takenlijst

Taak	Datum	Visier	Instellingen
Advies accepteren Primaire waterkeringen - Brouwers Oever - Calanthebestrijdingsplan Hoogwater Maas (Primaire en Regionale Waterkeringen)	06-03-2019 11:55		
Advies accepteren Primaire waterkeringen - Lith - Housdon - Calanthebestrijdingsplan Hoogwater Maas (Primaire en Regionale Waterkeringen)	06-03-2019 11:55		

Plan Filter:
Calanthebestrijdingsplan Hoogwater Maas (Primaire en Regionale Waterkeringen) X

Visier Portaal:
Open Visier portaal

Opslaan

Personalized tasks and action list



Tailored alerting

Current and expected water levels

HydroNET

Dashboard
Mobile Dashboard
Water Dashboard
Te - Visier Luik
3Dx - Water - WSC & District
4x - Per...den

Visier kaart

Calanthebestrijdingsplan Hoogwater Maas (Primaire en Regionale Waterkeringen) 19-0555

Legenda

- BVW Kunstwerken
- Stations
- Voorbestel
- Mijnbouw
- Open
- Pak Kunstwerken
- Stations
- Voorbestel
- Mijnbouw

Mijn Takenlijst

Taak	Datum	Type
Advies accepteren Primaire waterkeringen - Lith - Housdon - Calanthebestrijdingsplan Hoogwater Maas (Primaire en Regionale Waterkeringen)	06-03-2019 11:55	Visier
Advies accepteren AWO0512 - Brouwers Oever - Calanthebestrijdingsplan Hoogwater Maas (Primaire en Regionale Waterkeringen)	06-03-2019 11:55	Visier
Advies accepteren AWO019 - Housdon - Calanthebestrijdingsplan Hoogwater Maas (Primaire en Regionale Waterkeringen)	06-03-2019 11:55	Visier

Locatie: AWO019 - Housdon
Aangemaakt: 06-03-2019 11:55
Statu: Open
Plan: Calanthebestrijdingsplan Hoogwater Maas (Primaire en Regionale Waterkeringen)
Details: Open in Visier

HydroNET

Concluding

Climate change pressurizes urban water management

- Many stakeholders involved
- HydroNET facilitates transboundary cooperation
- HydroNET enables operational decision making

Climate adaptive

- Improved insights
- Improved decisions
- Reduced damage



HydroLogic

Thank you !

maurits.voogt@hydrologic.com
www.hydronet.com

