

Heraklion, Crete, Greece

ODYSSEA WP4 workshop on Delft-FEWs +

Delft3D modelling suite

AquaSafe ODYSSEA – Part 2 (hands on)

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INTRODUCTION

ADMINISTRATION CONTROLS

USERS MONITORING STATION OPERATIONAL DOWNLOADS CALCULATION MODEL TASK MANAGER

REPORTS

CREATNETCDF GEOSERVER REPORT (EXCEL/PDF) – EMAIL: Template Report Distribution list Publication

USER CONTROLS

LINE CHARTS REPORTS DASHBOARD



• To Install AquaSafe:

✓ <u>http://odyssea.hidromod.com/AquaSafeClient/</u>

Image: A guada fe - Odyssea Hidromod AquaSafe - Odyssea Name: AquaSafe - Odyssea Version: 1.0.6.27 Publisher: Hidromod Microsoft .NET Framework 4.6.1 (x86 and x64) Windows Installer 4.5 Intervention and run the application now. Otherwise, click the button below to install the prerequisites and run the application now. Otherwise, click the button below to install the prerequisites and run the application. Intervention ClickOnce and .NET Framework Resources What do you want to do with setup.exe (778 KB)? From:: odyssea.hidromod.com	🔁 🗖 AquaSafe - Odyssea 🛛 🕹 🕂	~			-		×
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- Platform exploitation is made through workspaces
- Workspaces are like window templates that allows to organize the information (models, data sources, etc.)
- Are used to perform a good management and plan actions by the users
- Could be shared and saved in the platform being available for other users







INTRODUCTION | Administration controls | Reports | User controls

Introduction | Show/hide workspace list

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	Hide workspace list 🐼 Show workspace list 😵
Aqua Safe Aqua Safe system 22-07-2015 17:11:06 in (UTC) Coordinated Universal Time	



Introduction | User controls

Data		Alarms	
Allows to view message group	Dashboard Show single or agregated values in a free format (use free text and images)	Alarm charts Piot alarms as charts	
Line charts Charts for time series		Alarm table View alarm in table format	
Multi period charts Charts for time series in equivalent periods		Table with multiple alarms View the current value of multiple alarms in a single table	
Transect charts Charts for transect time series		Alarm gage View alarm level in gage format	
Maps Edit and view maps from several sources			
Downloads Download data			
Reports List important reports for quick access			
Log viewer View sources executions log			
Image viewer Visualize data images			
Time series gage Show time serie values in a gage			
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Introduction | Administration controls

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Users	Base	Sources	Reports	
Users Manage users	Allows to view message group	Operational downloads Add. edit and remove operational downloads	Report templates Manage existing report templates	
Workspace manager Edit and assign workspaces	Systems Manage systems	Calculation Models Add, edit and remove numerical models	Execution report Manage existing execution report	
Custom Menus	Monitoring stations Manage monitoring stations	Pointer sources Manage pointer sources	Reports Manage reports	
Distribution lists Group users for easy dissemination of alarms and reports	Parameters and units Manage parameters and units	Alarms Manage Alarms	Publishers Manage ways to disseminate reports (email, ftp. etc	
User templates Manage control templates (charts maps etc)	Model parameters Manage existing models and model parameter names	Maintenance Manage disk space	Publications Manage report publications	
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Introduction | Manage workspaces

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Create new workspace	🕒 + New workspace
Load existing workspaces -	😫 p Load workspaces
Change between workspaces 🗲	Eoop workspaces
Change workspace view 🔶	Change to custom menus view
Edit the position of the features 🗲	🕒 c Edit workspace layout



Introduction | Manage workspaces





Introduction | Manage workspaces





ADMINISTRATION CONTROLS



Administration Controls





Add a new user

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Add a new monitoring station

Administration controls				
Users	Base	Sources	Reports	
Users Manage users	Message Groups Allows to view message group	Operational downloads Add. edit and remove operational downloads	Report templates Manage existing report templates	
Workspace manager Edit and assign workspaces	Systems Manage systems	Calculation Models Add, edit and remove numerical models	Execution report Manage existing execution report	
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WMS Layers Map layers avaylable under Web map services	Task manager Start, stop or execute data sources	Time Series manager Edit time series		
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Add new download

Users	Base	Sources	Reports	
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Workspace manager Edit and assign workspaces	Systems Manage systems	Calculation Mot Add. edit and remove	Execution report Manage existing execution report	
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Add new model

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WMS Layers Map layers avaylable under Web map services	Task manager Start, stop or execute data sources	Time Series manager Edit time series		
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Add new model | sample models (numerical approach)

• MOHID (goal):

Run fast with one thread ~ 1 min./day of forecast

Do simple comparisons with tidal gauge data

Discretization:

Horizontal: dx= 0.01°, ~30x30 cells (very small domain ~30 km x 30 km)

Vertical = Z_level CMEMS MedSea solution

Bathym = Emodnet

Forcing:

Open boundary: CMEMS MedSea + FES2012

Surface boundary: GFS 0.25°

Baroclinic



Add new model | location

- Locations where tidal gauges data is available in near real time via GLOSS: Valencia/Spain, SaidiaMarina/Morocco, Haifa/Israel
- Areas of the Medsea with different hydrodynamic conditions





Add new model | results - Case 1





Add new model | results - Case 2





Add new model | results - Case 3





Execute model

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Administration controls				
Users	Base	Sources	Reports	
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REPORTS





Create NetCDF

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WMS Layers Map layers avaylable under Web map services	Task manager Start, stop or execute data sources	Time Series manager Edit time series		



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9	Tena, ue-us-yyyy and Sabado, 10-us-yyyy, local time.
11	SEA LEVEL
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17	Local
19	Sea level [SL] from MCHID (0.01 of resolution) at P3 (2.2929 W; 35.1119 N)
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- To create a report:
 - 2. Configure the report:
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 - Last page: 2.



- To create a report:
 - 3. Create a new distribution list with your user.





- To create a report:
 - 4. Create a new publication:
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 - Insert a cron scheduling (ex: 0 0 9 * * ?)
 - Hindcast 2 days; Forecast 3 days
 - Select your report;
 - Select your distribution list;
 - Insert the title and a message of the email;

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	Administr	ation controls	
		Reports	
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		Reports Manage reports	_
		Publishers Manage ways to disseminate reports (email, ftp. etc)	_
		Publications Manage report publications	
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USER CONTROLS



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Data		Alarms	
Allows to view message group	Dashboard Show single or agregated values in a free format (use free text and images)	Alarm charts Plot alarms as charts	
Line charts Charts ine series		Alarm table View alarm in table format	
		Table with multiple alarms View the current value of multiple alarms in a single table	
Charts for transect time series		View alarm level in gage format	
Edit and view maps from several sources			
Download data Reports			
Log viewer View sources executions log			
Image viewer Visualize data images			_
Time series gage Show time serie values in a gage			







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Multi period charts Charts for time series in equivalent periods	∠∠	Table with multiple alarms View the current value of multiple alarms in a single table	
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Maps Edit and view maps from several sources			
Downloads Download data			
Reports List important reports for quick access			
Log viewer View sources executions log			
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OBRIGADO!



pedro.galvao@hidromod.com joao.rodrigues@hidromod.com

