



HIDROMOD
mae açõe ambiental
Since 1992

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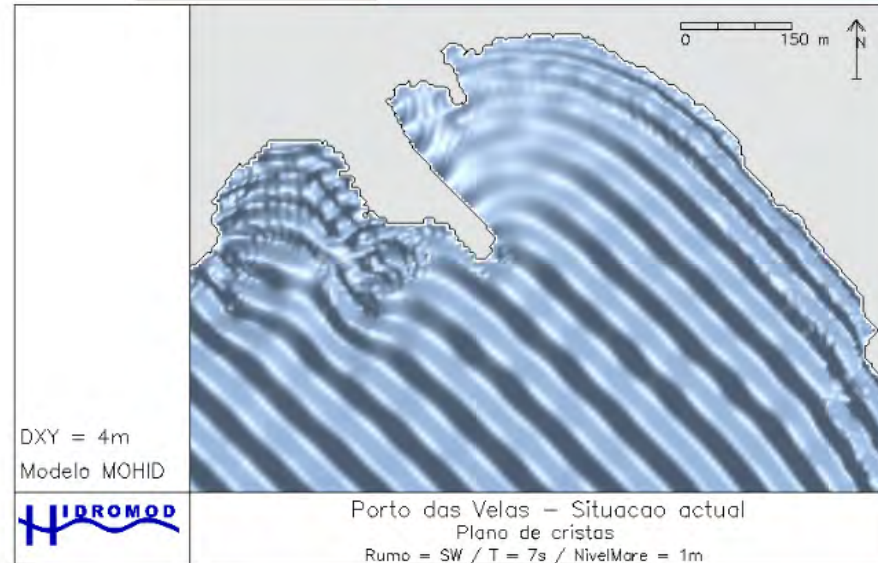
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modelação em engenharia

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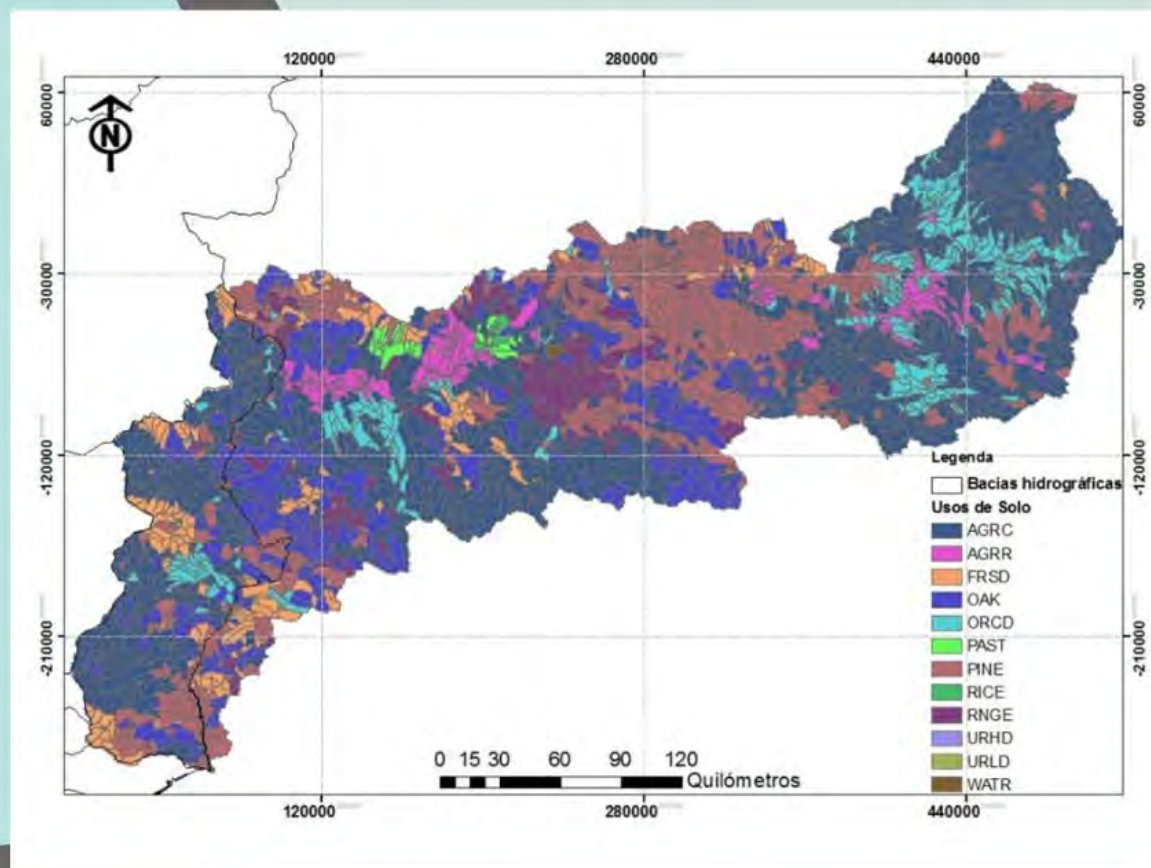
Numerical Models water R&D



Factsheet

- **Numerical Modeling, IT, R&D**
- **10 people**
- **700 000 euro/year**
- **400 completed projects**

2012

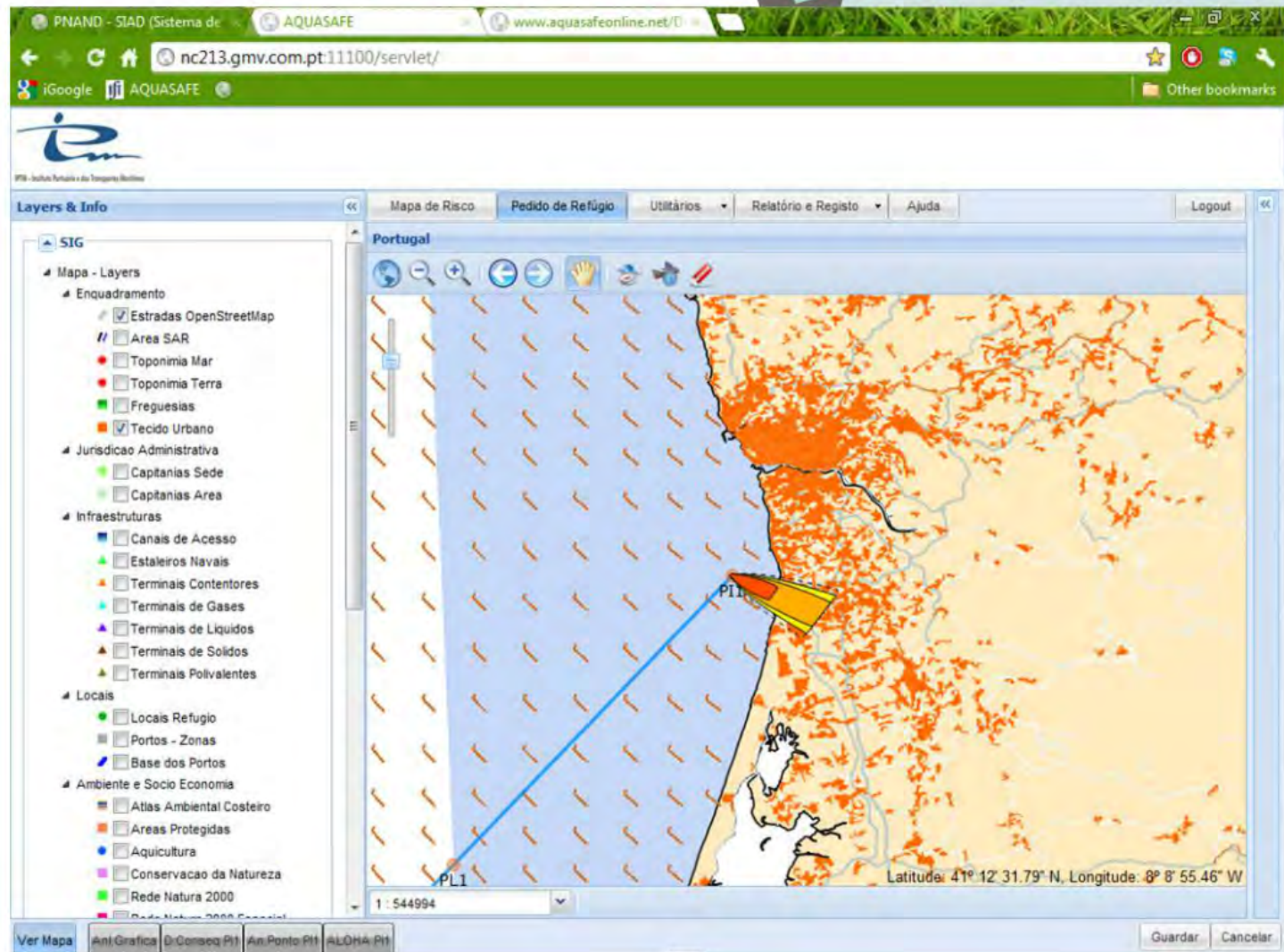


Planos de Gestão de Região Hidrográfica: RH6, RH7, RH8 e RH10

2010 - 2013

Plano Nacional de Acolhimento a Navios em Dificuldade

2011



1992

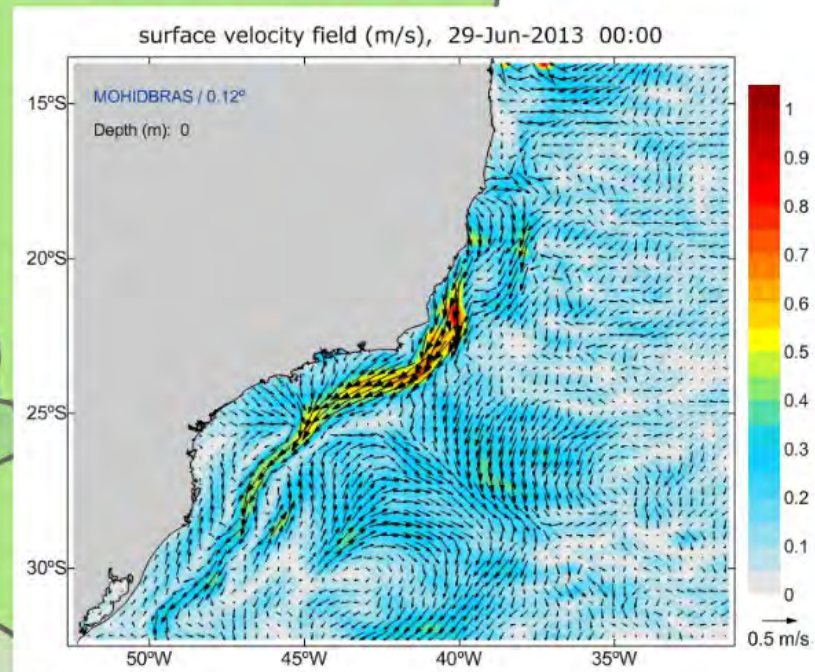
Numerical Models
water R&D

SOWFIA - Data Management Platform

The screenshot displays the SOWFIA Data Management Platform interface. The browser address bar shows the URL `sowfia.hidromod.com/PivotMapView/ViewData/Index`. The page header includes the SOWFIA logo and the text "Data Management Platform". Navigation links for "My Account", "Help", "Contact", and "Logout" are visible. The main content area is titled "Projects" and "Explore wave energy projects in Europe". A sidebar on the left provides filters for "Country", "Location", "Test Site", "Distance To Shore", "Technology", "PTO", "Device Name", "Device Capacity (KW)", "Project Capacity (KW)", "Scale", "Grid", "Project State", "Start Date Year", "End Date Year", and "Project Promoter". The "Country" filter is expanded, showing a list of countries with their respective project counts: United Kingdom (18), Denmark (9), Ireland (7), Portugal (5), Spain (4), Norway (3), France (2), Sweden (2), and Netherlands (1). The main grid displays various wave energy projects, each with a thumbnail image and a title. Projects include: Floating Tension Platform Demonstration Project, Deaneville (1/8 Scale), Lannoon, WaveRena, Wave Dragon (1/10 scale Phase 2), Wave Star (1/2 Scale), Wave Star (1/10 Scale), Deaneville (1/8 scale), Wave Dragon (1/10 scale Phase 3), La Rance Wave Energy Project, Seairis, Ocean Energy Buoy (1/4 scale Phase 1), Ocean Energy Buoy (1/4 scale Phase 2), Wexham, NEES3000 Platform Demonstration Project, Wavebot (1/4 Scale - Phase 2), Wavebot (1/4 Scale - Phase 3), McCabe Wave Pump, Ocean Energy Buoy (1/4 scale) - CORES Project, Wave Rotor Pilot Plant, Red Ocean Buoy 1 (Small scale testing), Seabased at MARDI, Red Ocean R2 - SEEVEC Project, AWE MRL, AWE Energy WaveRider - Project SURGE, WaveRider 1 (1/2 Scale), Pelamis Wave Farm, OWC Pico Power Plant, Almuir Breakwater Wave Plant, Oceanic (1/4 scale), OPT Wave Farm, OPT P840, Seabased 100kW Wave Farm, Seabased Wave Research Park, Wells Penguin - Phase 1, Oyster 1, AWE II, Sparbu (1/3 scale), Seairis, OPT P8150, OWEI, Oyster 800, R2,1 Lifesaver deployment at SaltTart, Limpet OWC, Ocean Energy Buoy (Full scale), Pelamis - Ayr Shetland Wave Farm, Pelamis - Vatterfall at BWE, Pelamis - E.ON - BWE, Pelamis P1 - BWE, Pelamis - Barmna Wave Farm, Pelamis - Port of Call Wave Farm, Pelamis - ScottishPower Renewables - BWE.

2010 - 2013

Operational Oil Spill System for the Coast of Brazil



brasiloccean.hidromod.com

2012



Operational System for the
Straits of Malacca and
Singapore
IMO (International Maritime
Organization)

2012



Aquasafe Oil Spill Simulator

The screenshot displays the Aquasafe Oil Spill Simulator software interface. The main window shows a map of Singapore with an oil spill simulation. The spill is represented by a red and pink plume moving south from the island. Blue dashed lines represent booms. The interface includes a top toolbar with various controls, a left sidebar for simulation settings, and a right sidebar with a 'Details' panel showing execution logs and a 'Volume Beached' graph.

Simulation Settings (Left Sidebar):

- Singapore training
 - Realistic with booms
 - Booms
 - Results
 - Mass Center
 - Thickness
 - Envelope
 - Realistic transport - ADIOS
 - Results
 - Mass Center
 - Thickness
 - Envelope
 - Malacca Strait Training

Details Panel (Right Sidebar):

Realistic with booms

Model start: 2012-10-17 08:00
Model End: 2012-10-18 08:00
Execution: Successful execution

Volume Beached

Time	Value	Property	Unit
2012-10-17 05:00	17770.89	Viscosity	cP
2012-10-17 05:00	719.20	Volume	m ³
2012-10-17 05:00	81.43	Volume Beached	m ³
2012-10-17 05:00	1023.33	Density	kg/m ³
2012-10-17 05:00	19.34	FMEvaporated	%



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