ENERGY GeoHackathon
Society of Petroleum Engineers

SPE International
SPE Europe Region

Surface Maps and Cost of Data to Teams

#DatafyingEnergy

Schematic of the surface maps

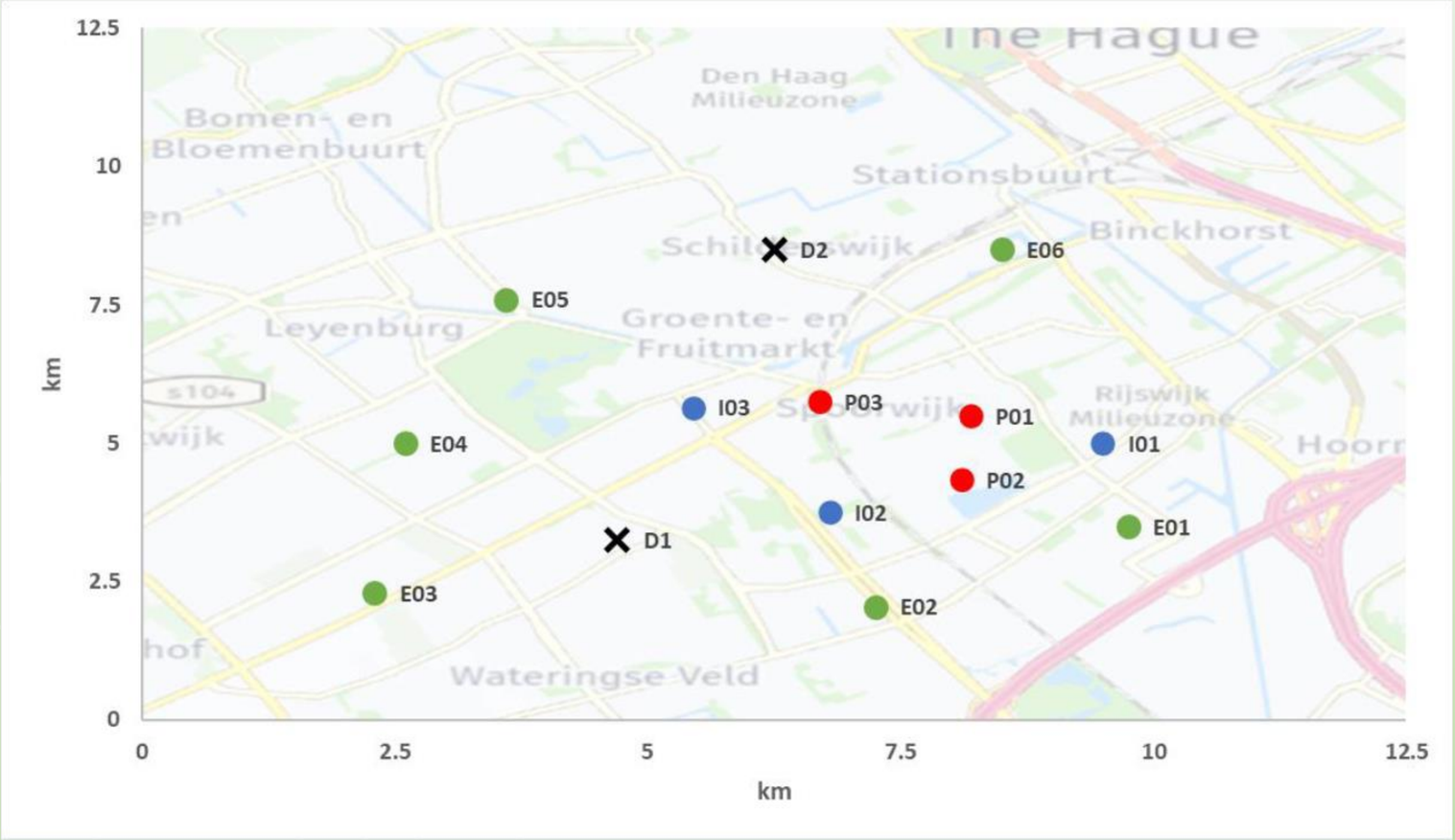
A block of 12.5X12.5 km

Contains several producer, injectors and exploration wells

There are two demand locations:

- D1: 80 MW_{th}
- D2: 100 MW_{th}

E: Exploration well
P: Producer well
I: Injector well
D: demand location



Cost of Data to the Teams

Your budget: 120,000 Euros

There are 12 wells

Logs for one well: 10,000 Euros

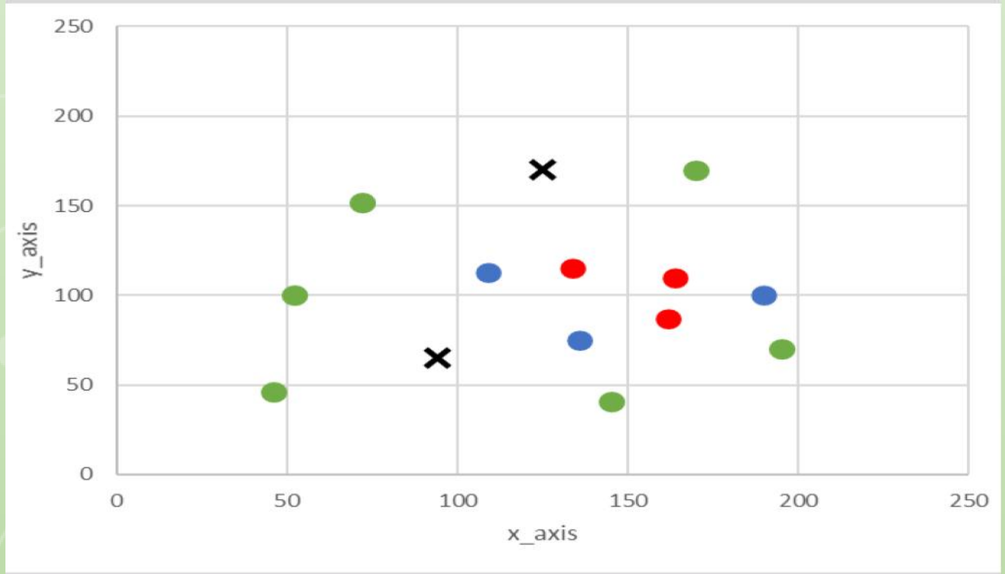
Well test for one well: 15,000 Euros

I.e. your budget is 120,000 Euros, from which you can choose from the 12 well logs (@10,000 Euro each) and the 12 well tests (@15,000 Euro each), that you wish to buy. Then write to us with your data request and we will email to you the log and well test files you request - up to 120,000 Euros.

Coordinates of surface locations

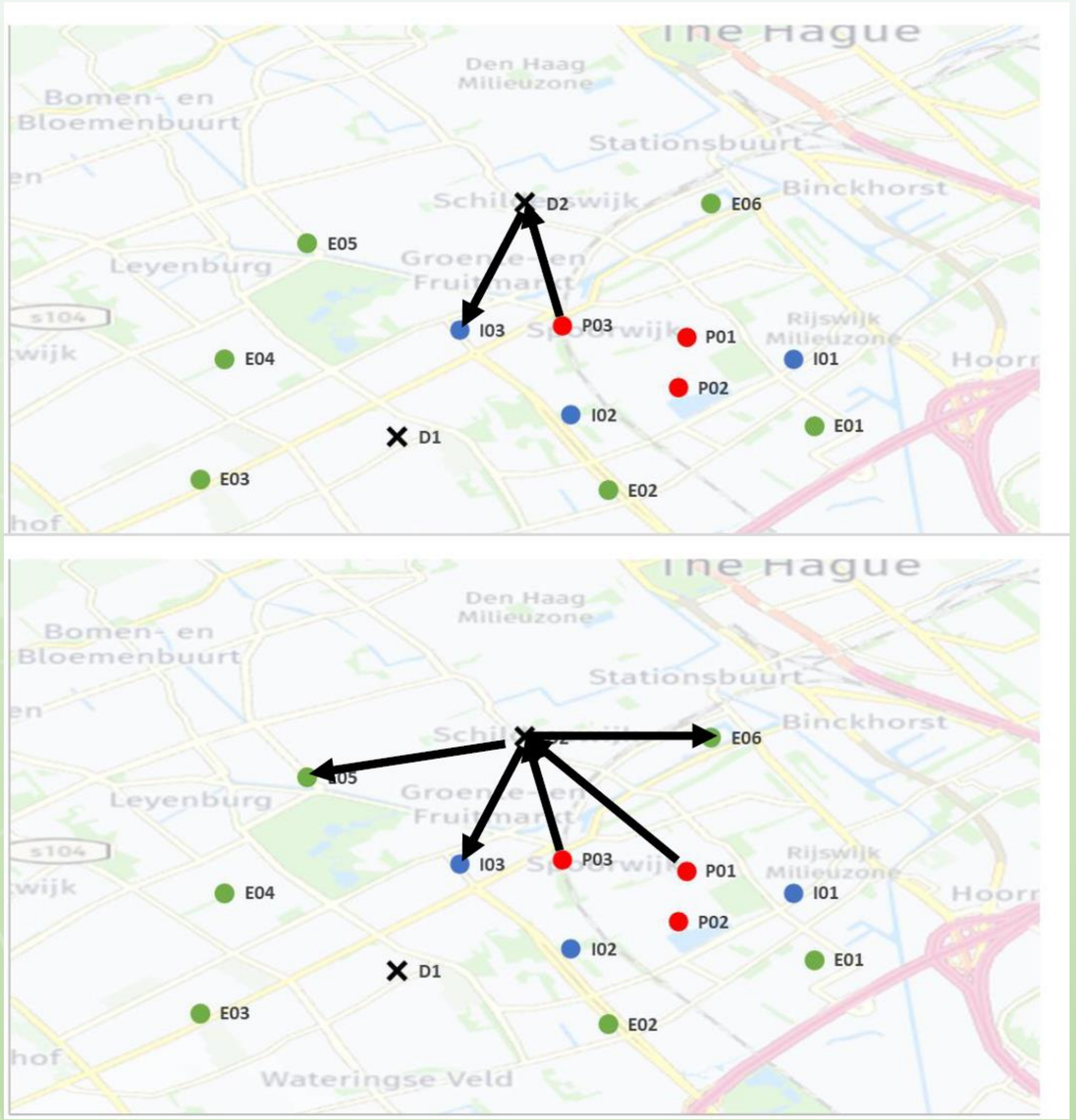
Labels	x_coord	y_coord
E01	195	70
E02	145	41
E03	46	46
E04	52	100
E05	72	152
E06	170	170
I01	190	100
I02	136	75
I03	109	113
P01	164	110
P02	162	87
P03	134	115
D1	94	65
D2	125	170

* Every unit in the coordinates corresponds to 50 m



Notes

- Every demand point should be connected to a producer and an injector (see the top example)
- Multiple producers and injectors can be connected to a single demand point (see the bottom example).
- The total cost of the piping for the optimum scenario should be calculated and reported based on the provided coordinates, scaled to kilometres.
- The net volume of the produced and injected geothermal fluid should be zero (the overall produced volume = the overall injected volume)
- The number of kms of surface piping needs to be reported by each team. The costs of surface installation are included in the economic model.



ENERGY Geo Hackathon
Society of Petroleum Engineers

SPE International Italian Section

SPE International London Section

SPE International Netherlands Section

SPE International Romanian Section

A SPECIAL THANKS TO OUR SPONSORS

Calida Aqua

GEOLOG

INTEGRA
DATA & ANALYTIC SOLUTIONS

Oilfield International

Eavor™

HALLIBURTON

Packers Plus

seismos

OMV Petrom
The energy for a better life.

PESS
ILCC · DUBROVNIK · CROATIA

TNO innovation for life

TU Delft
Delft University of Technology

Untapped Energy

SPE Europe Region

#WeAreSPE

Be One of Us!

www.spe.org


ENERGY
GeO
Hackathon
Society of Petroleum Engineers
www.spehackathon-eu.com
#DatafyingEnergy
in
You
Tube