The Impact of Data, AI and Analytics for Non-profits and NGOs

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Science to Impact Director

Analytics for a Better World

Analytics for a Better World

Founding partners:

Universiteit van Amsterdam

ORTEC
OPTIMIZE YOUR WORLD

www.analyticsbetterworld.org

SUSTAINABLE DEVELOPMENT GOALS

THE OCEAN CLEANUP

510

An initiative of the Netherlands Red Cross

amref health africa

WFP United Nations World Food Programme

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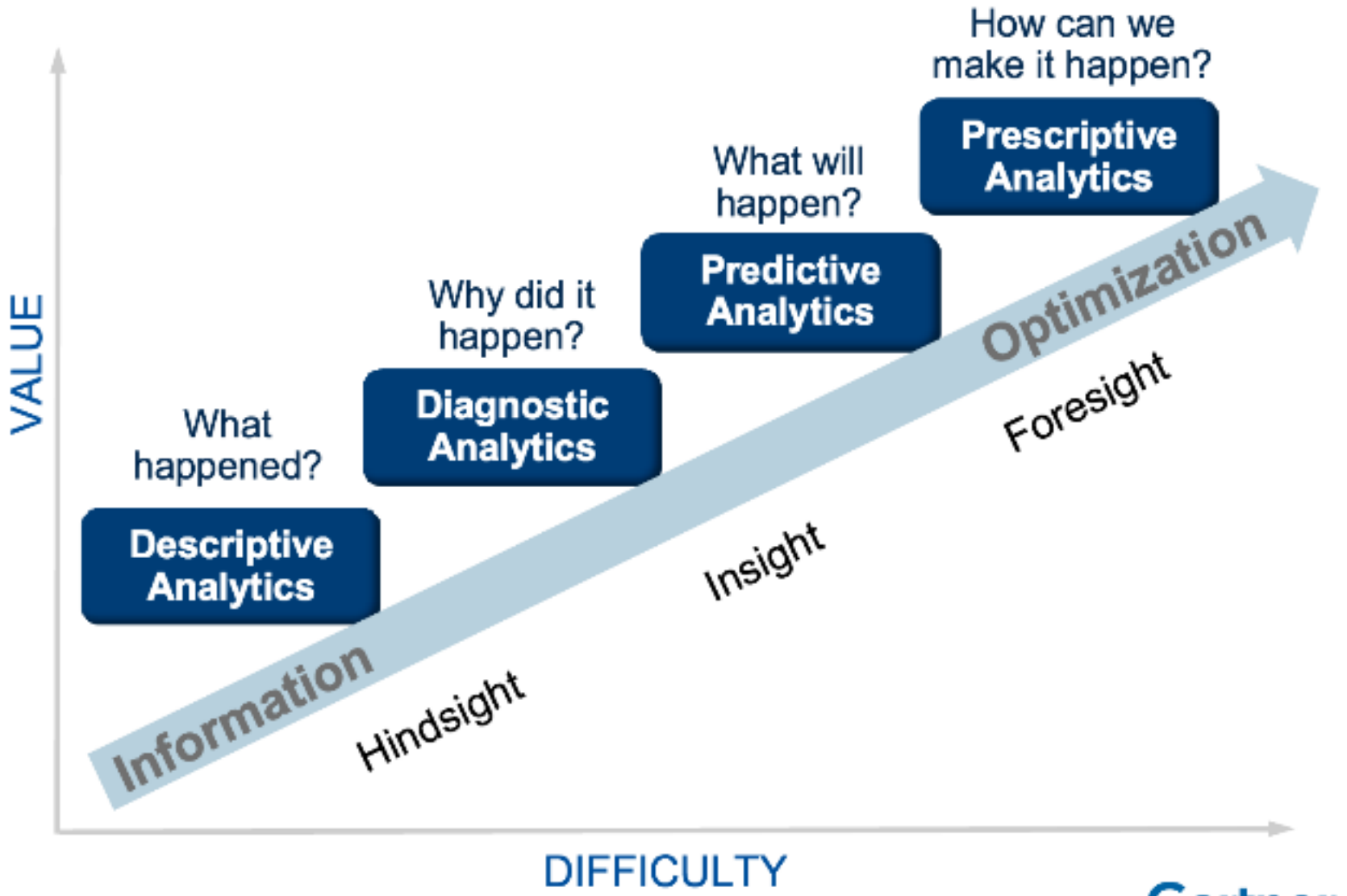
World Health Organization

Analytics

“The scientific process of transforming data into insight for making better decisions”

Gartner Analytic Ascendancy Model



Gartner

Analytics for Zero Hunger

WFP United Nations World Food Programme

Nutrition Facts

Serving size 1 potato (148g/5.2oz)

Amount per serving

Calories **110**

% Daily Value*

Total Fat 0g 0%

Saturated Fat 0g 0%

Trans Fat 0g

Cholesterol 0mg 0%

Sodium 0mg 0%

Total Carbohydrate 26g 9%

Dietary Fiber 4g 7%

Total Sugars 1g

Includes 0g Added Sugars 0%

Protein 3g

Vitamin D 0mcg 0%

Calcium 20mg 2%

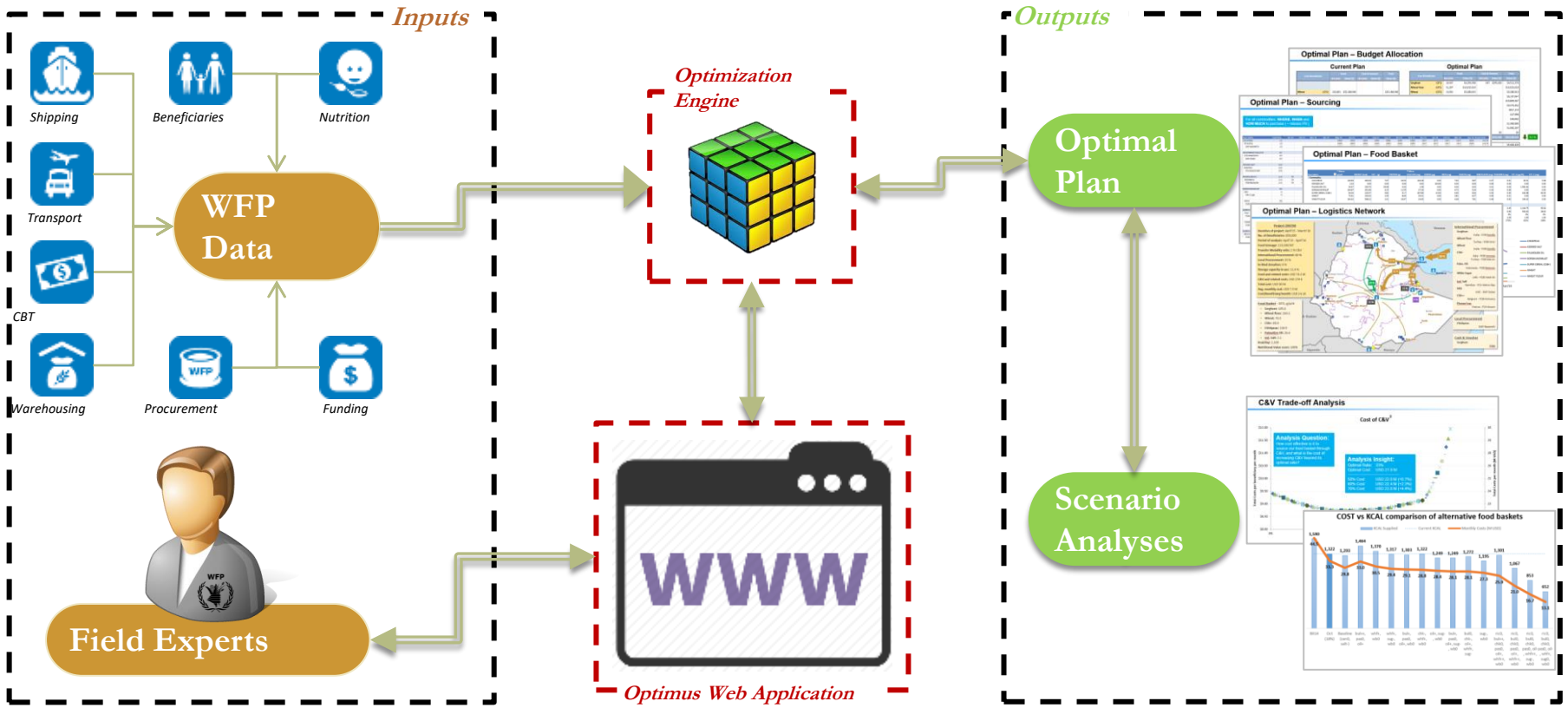
Iron 1.1mg 6%

Potassium 620mg 15%

Vitamin C 27mg 30%

Vitamin B_6 0.3mg 15%

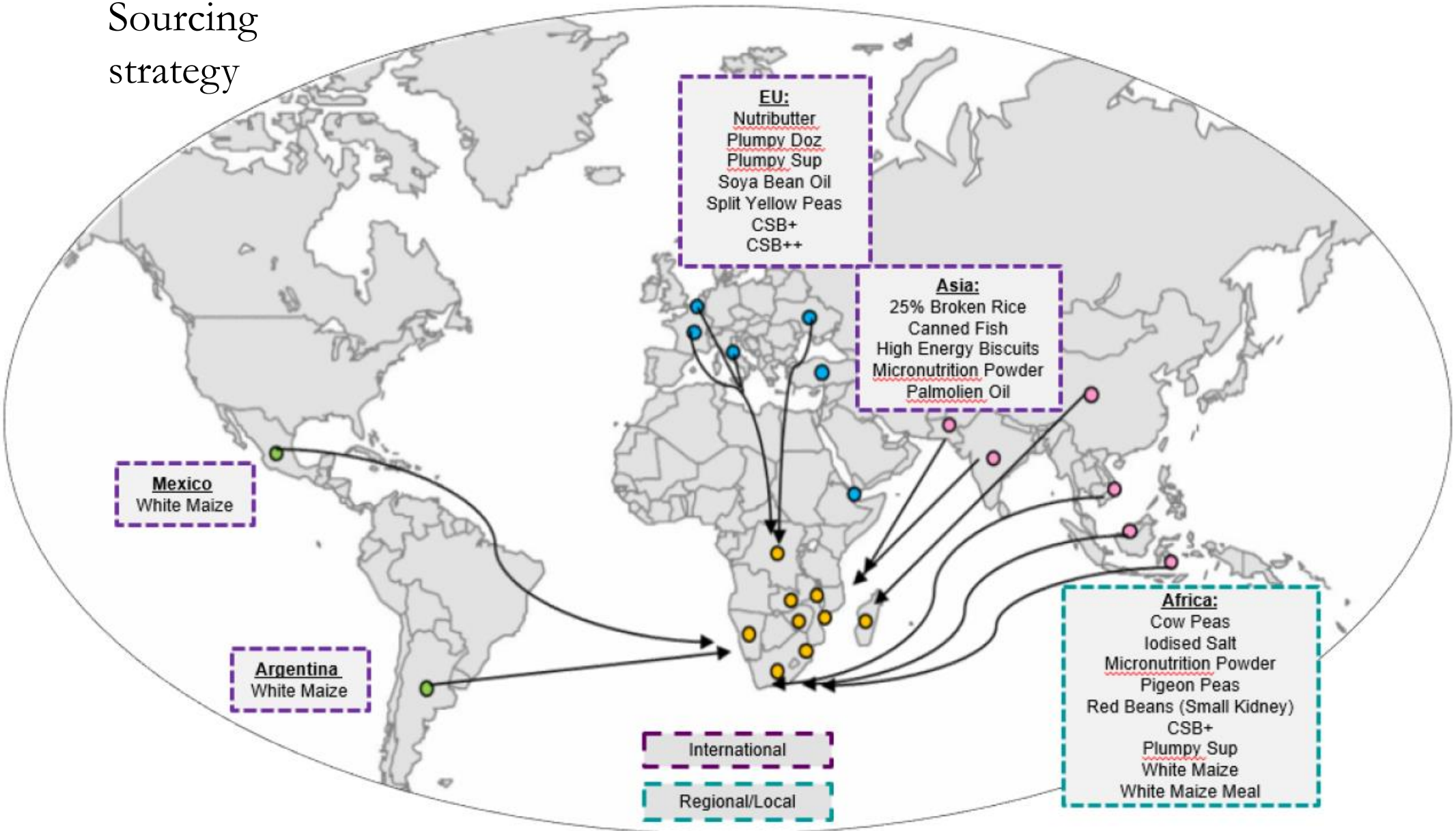
Optimus



Can be accessed online, allows users to interact with data from a wide range of sources in order to optimize their operation.

Application to El Nino crisis

Sourcing strategy



Optimal plastic removal from ocean

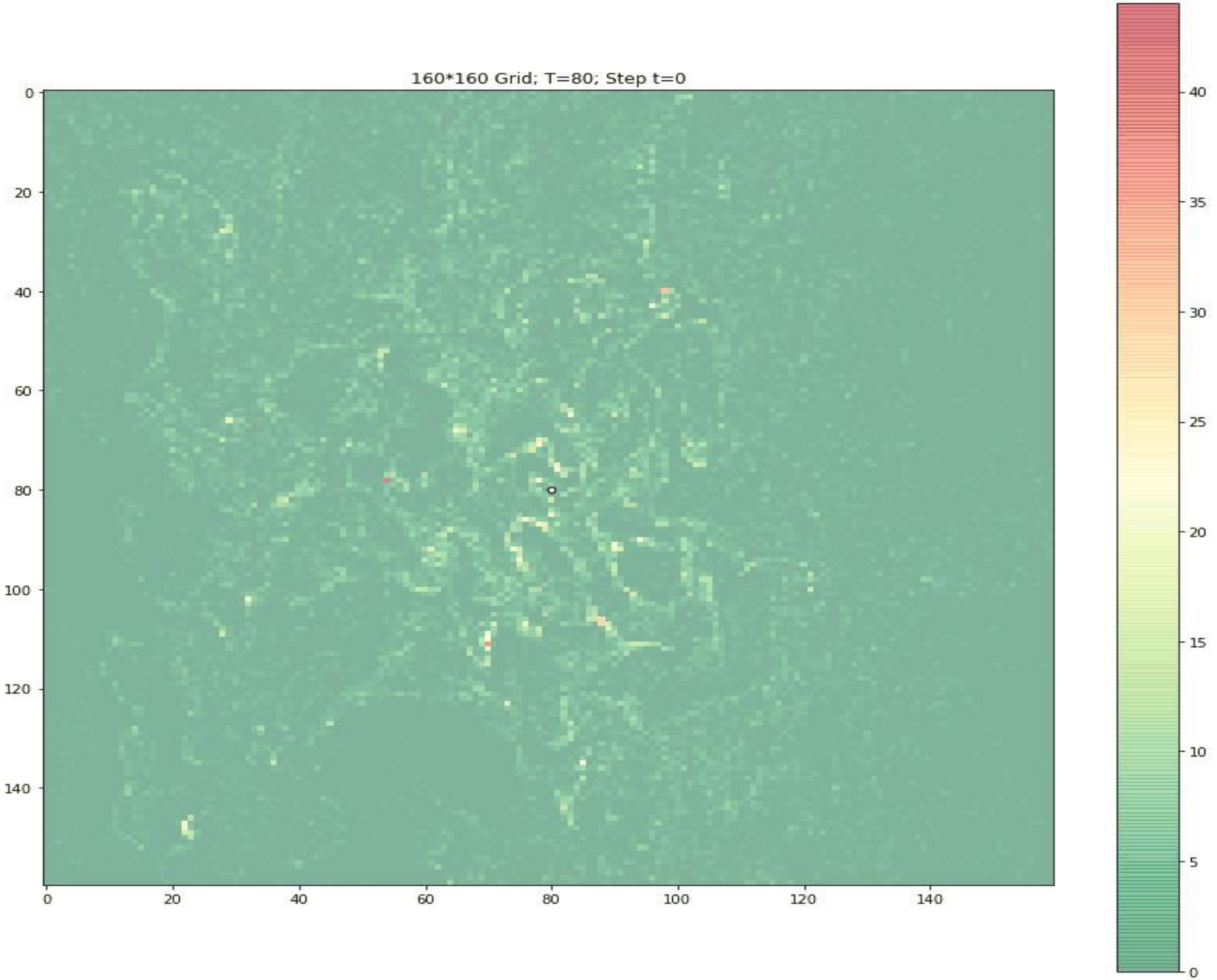
THE OCEAN CLEANUP

14 LIFE BELOW WATER

Optimal plastic removal from ocean

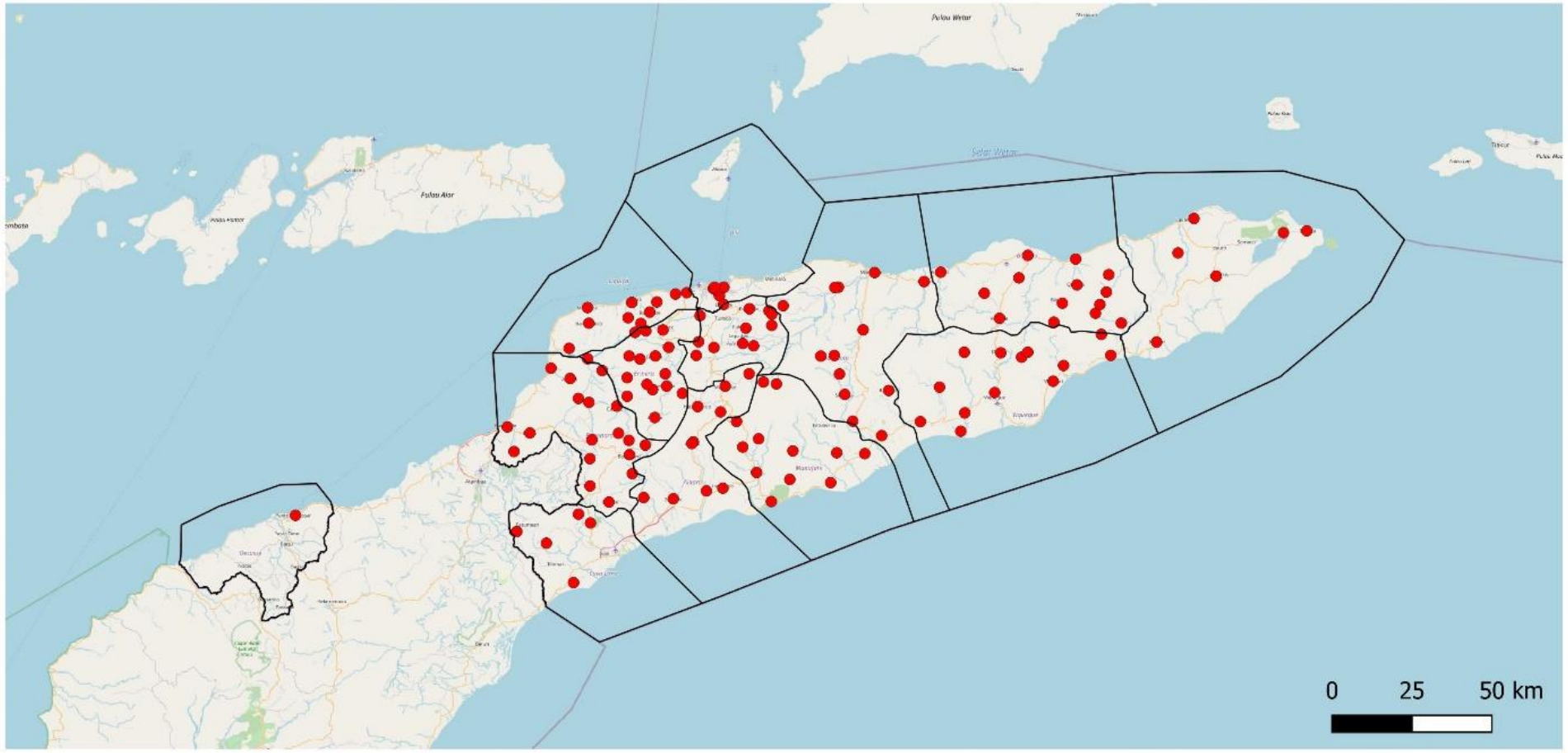
Developed by:

Jean Pauphilet (LBS)
and
Baizhi Song (LBS)



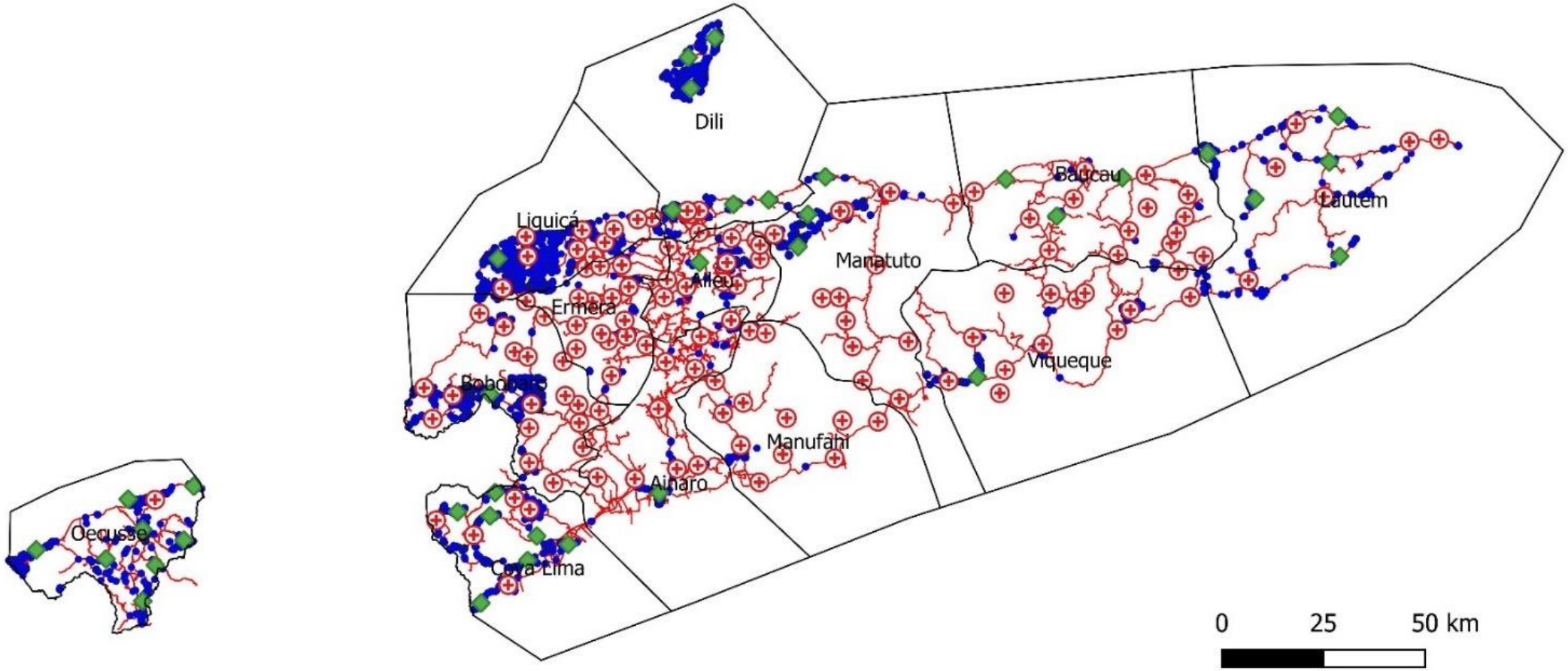
Optimizing hospital location in Timor-Leste

Goal

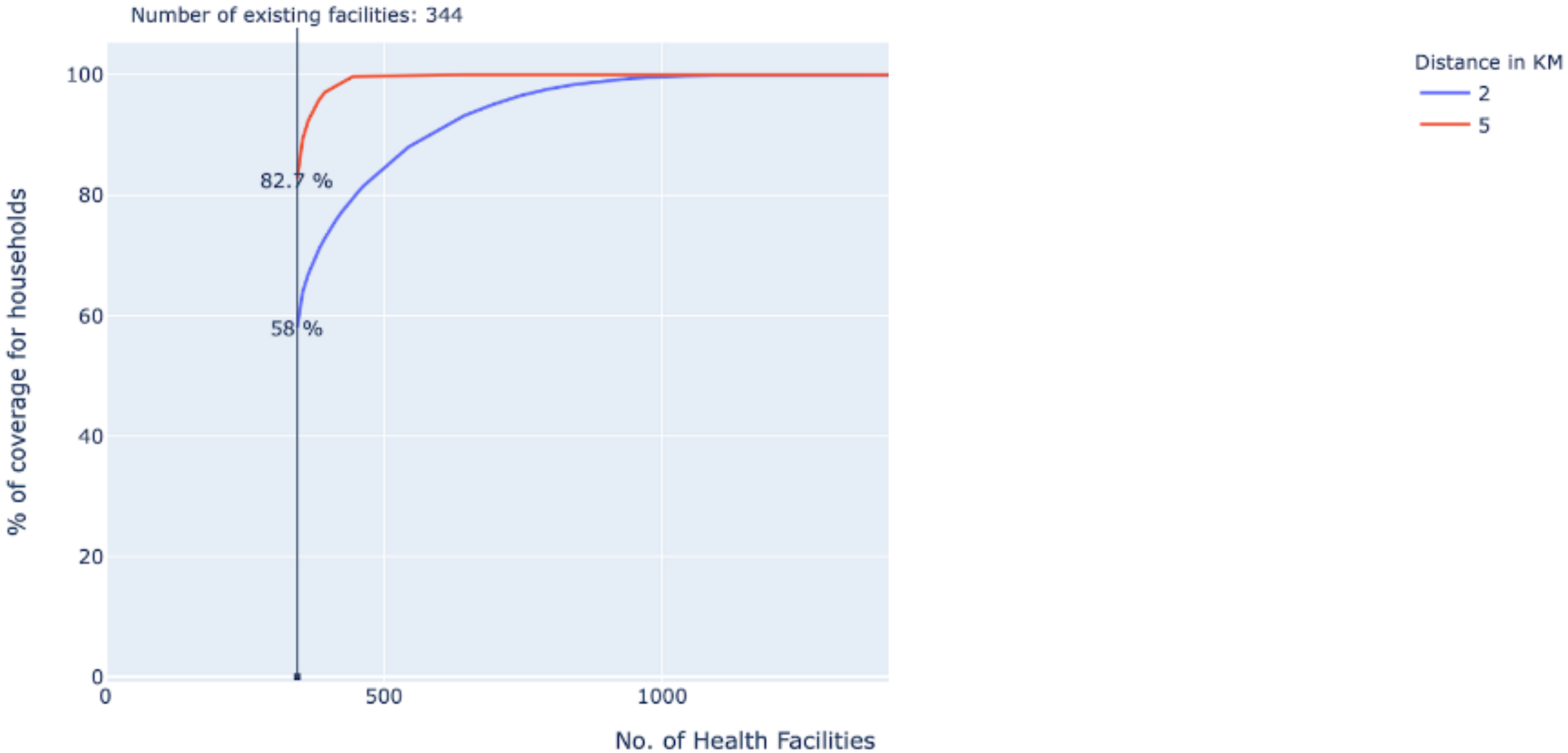


Find new hospital locations to maximize the number of people that can reach a facility within 5 kilometers travel distance.

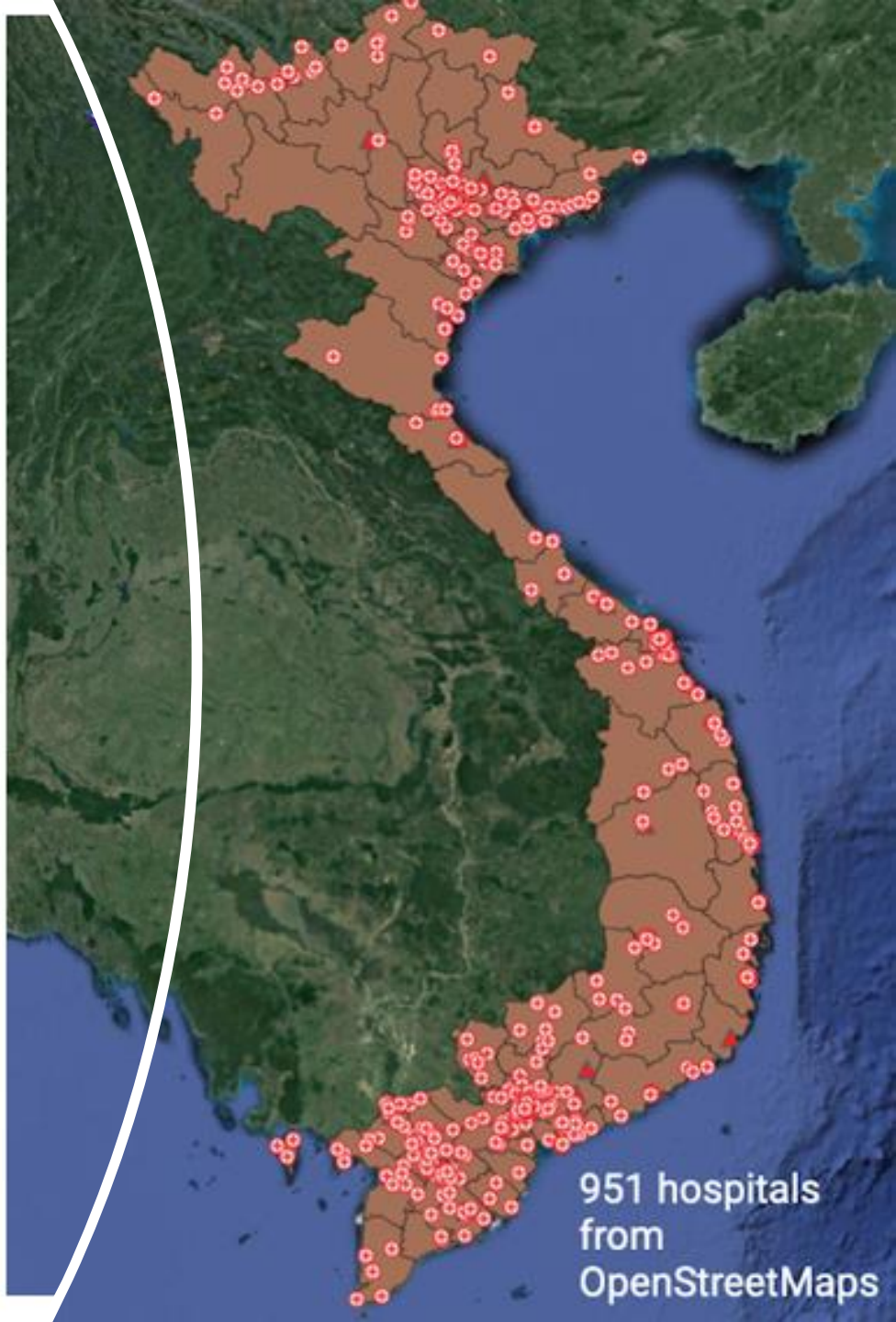
42 hospitals are added to ensure 95% population can reach a hospital within 5 km



% coverage vs. no of health facilities

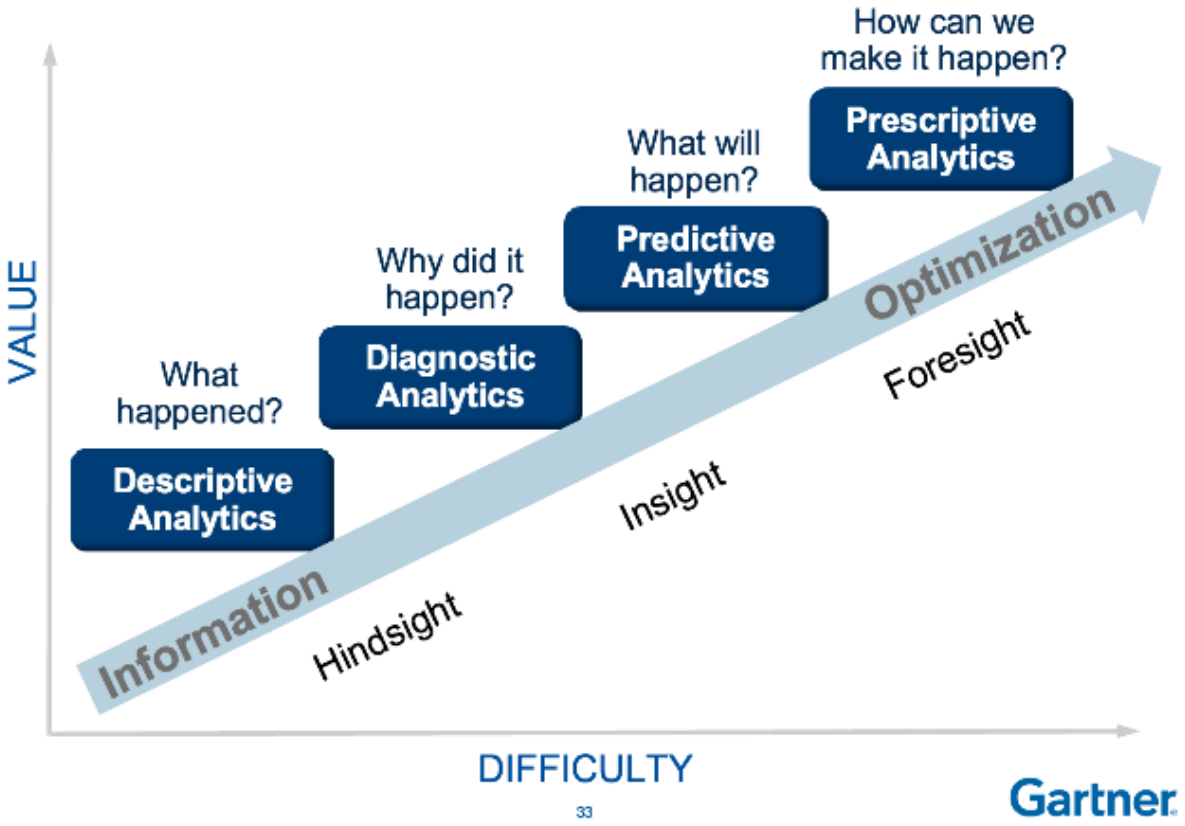


Stroke Centers In Vietnam



3 GOOD HEALTH AND WELL-BEING

When is Analytics useful for you?



- ROI is high enough
- Enough data available
- Organisation is data mature

Thank you!

SUSTAINABLE
DEVELOPMENT
GOALS
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