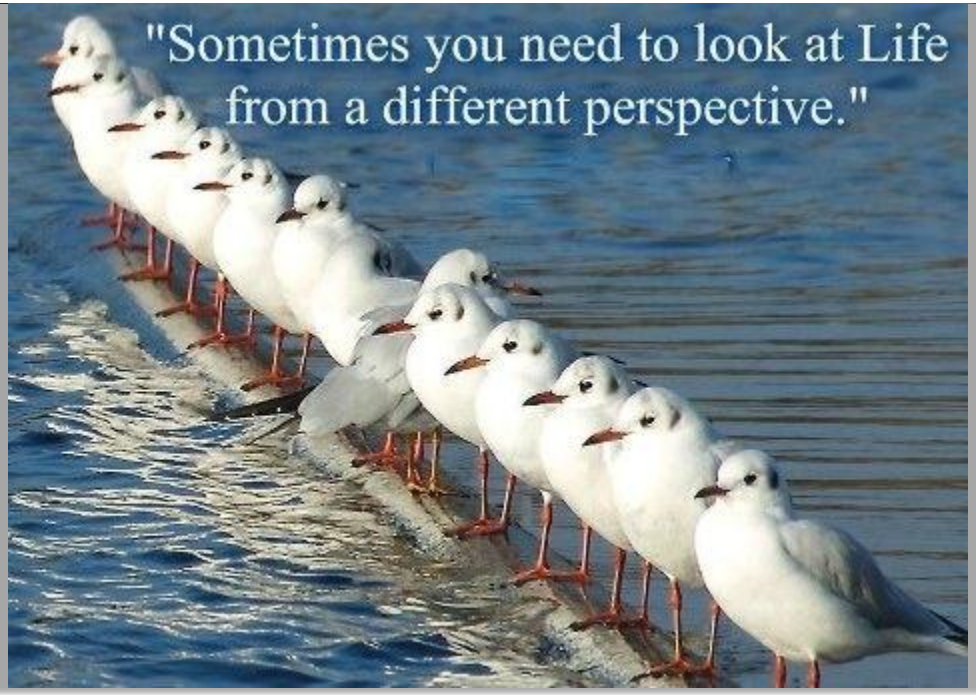
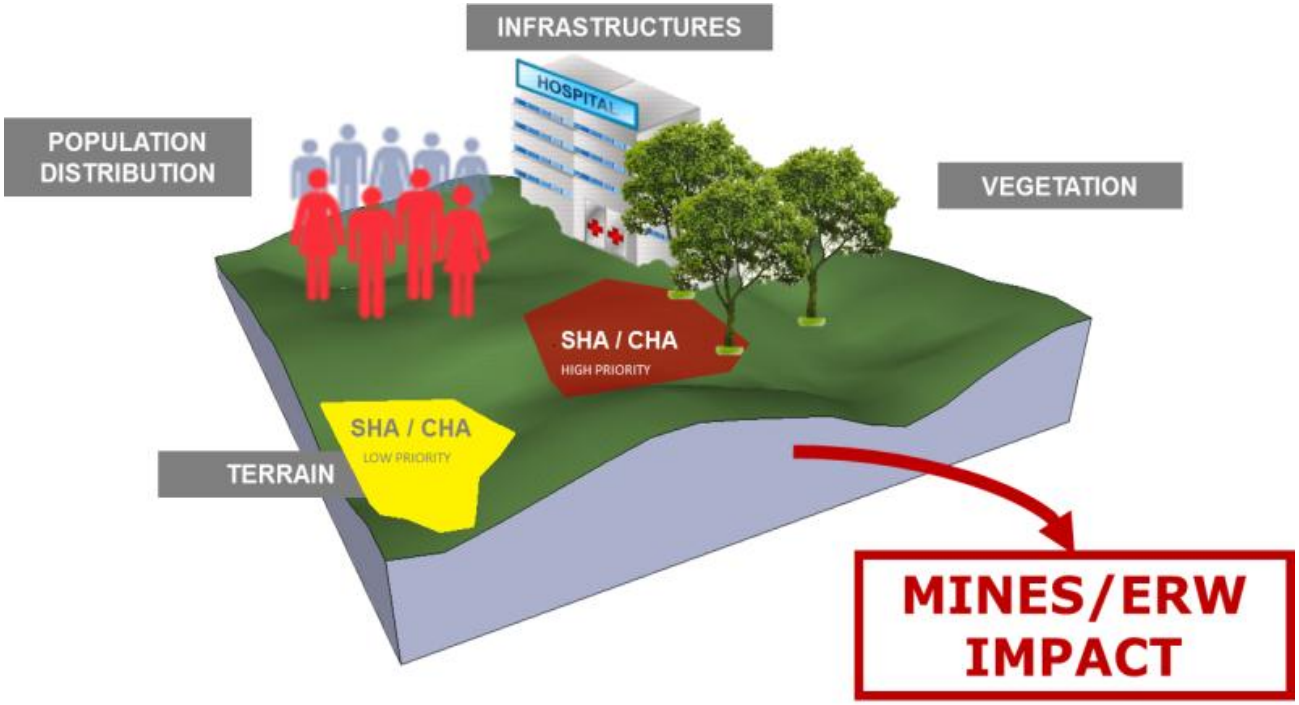
GICHD



PriSMA: Priority Setting Tool for Mine Action

GICHD

Enhance the ability of mine action stakeholders and of partners in the broader human security sector **to improve clarity on the impact of hazards**, thereby leading to more informed and effective hazards reduction decisions



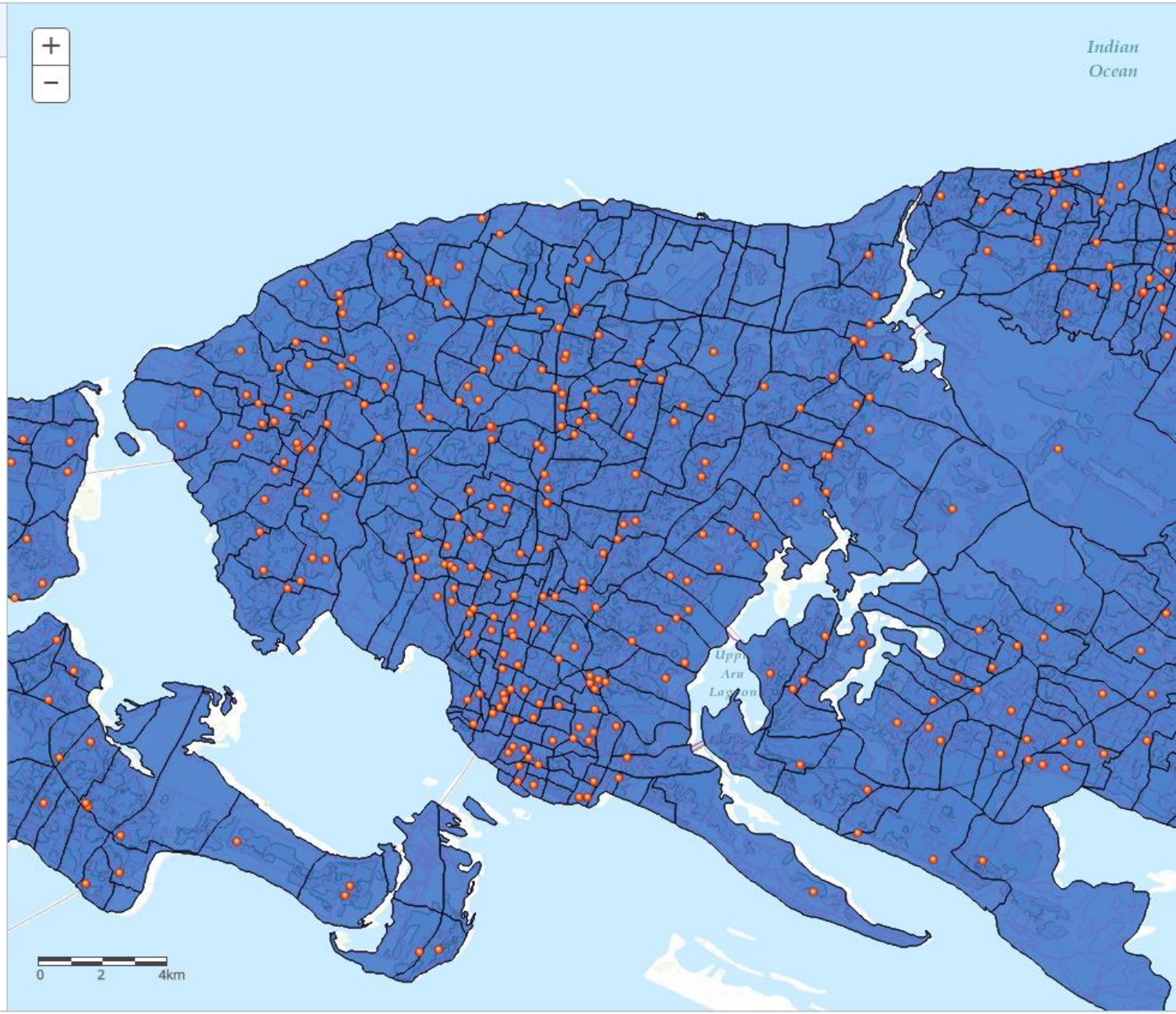
Indicators + Add

↑ Urban Area
0% 50% 100%

↑ Schools
0% 50% 100%

↑ Main Roads
0% 50% 100%

Run priority analysis



Configure indicator

Title

Schools

Input layer

Education - Jaffna

Property

- Layer attribute
- Hazards nearby

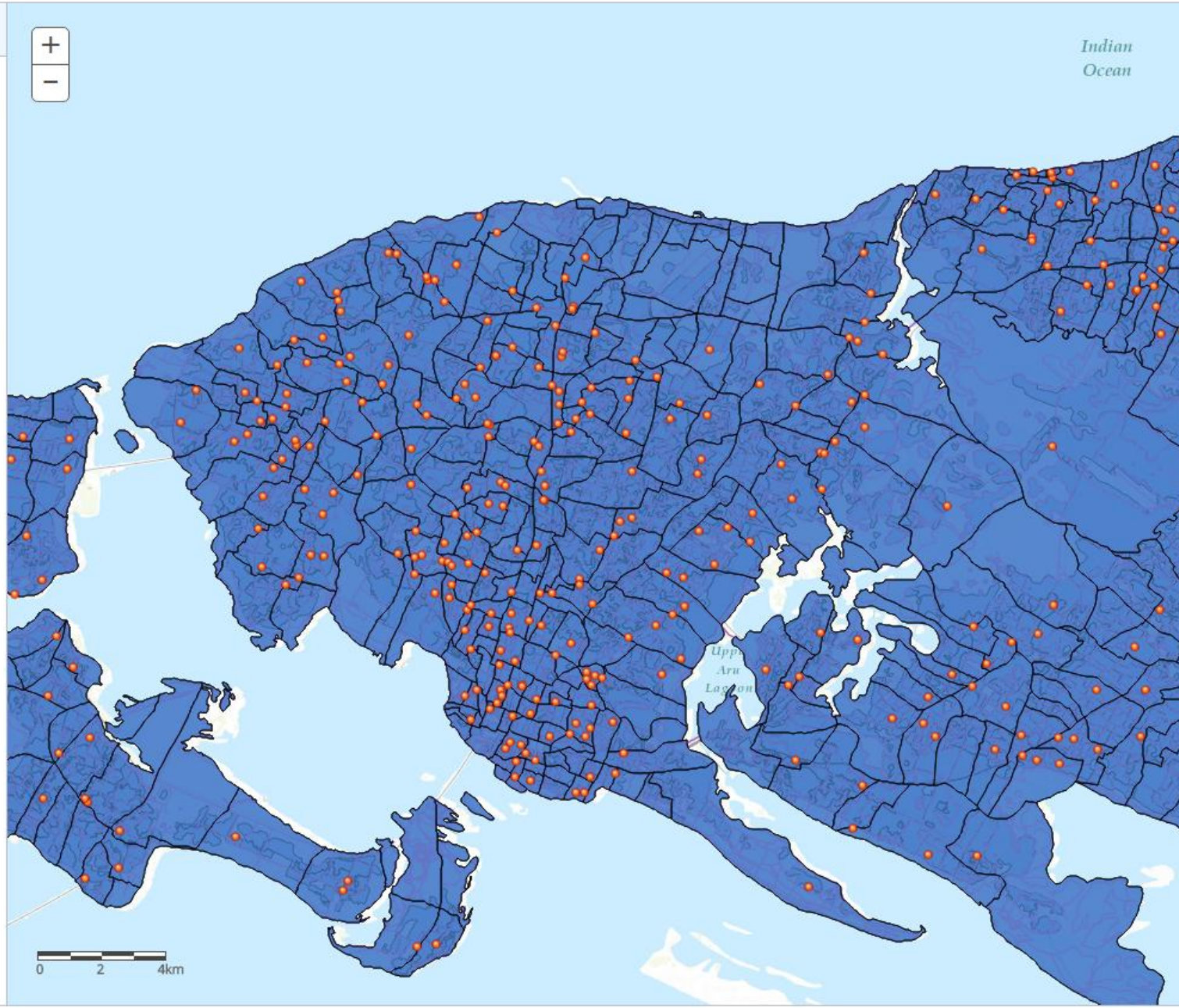
Hazards - Jaffna

Distance threshold (in meters)

200

Reduce impact

Update indicator



Results

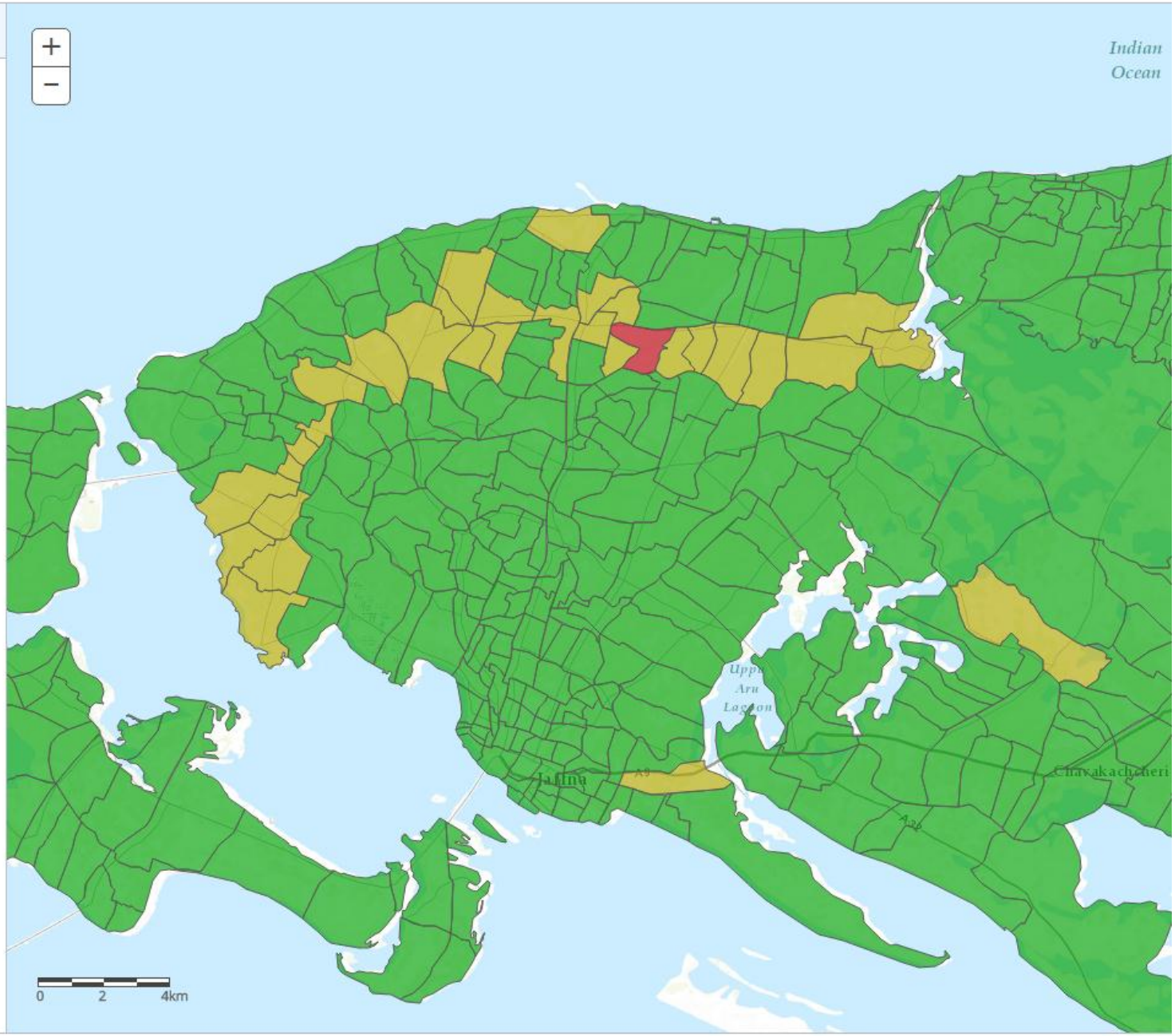
Score

- Overall score
- Indicator score

Urban Area

Classes

3 4 5



Print

Export

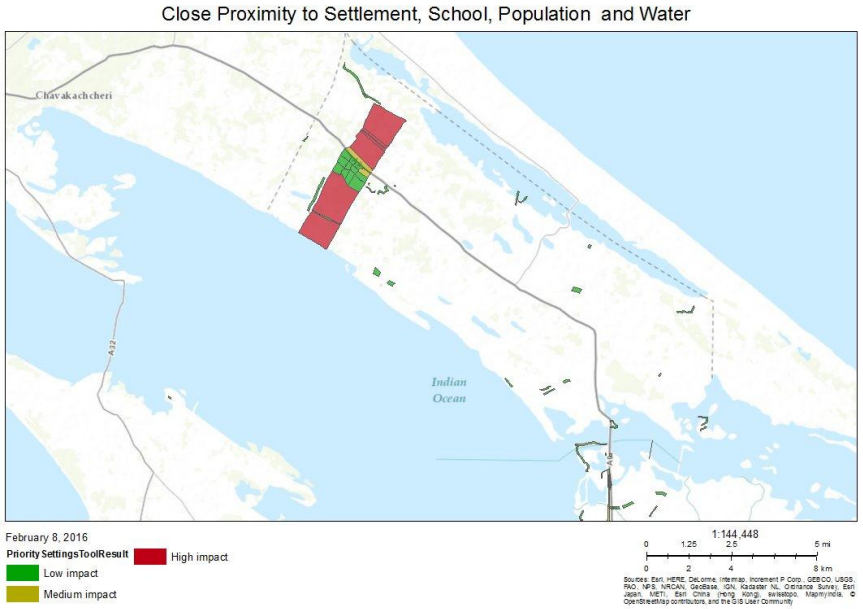
PriSMA Pilot Phase in Sri Lanka

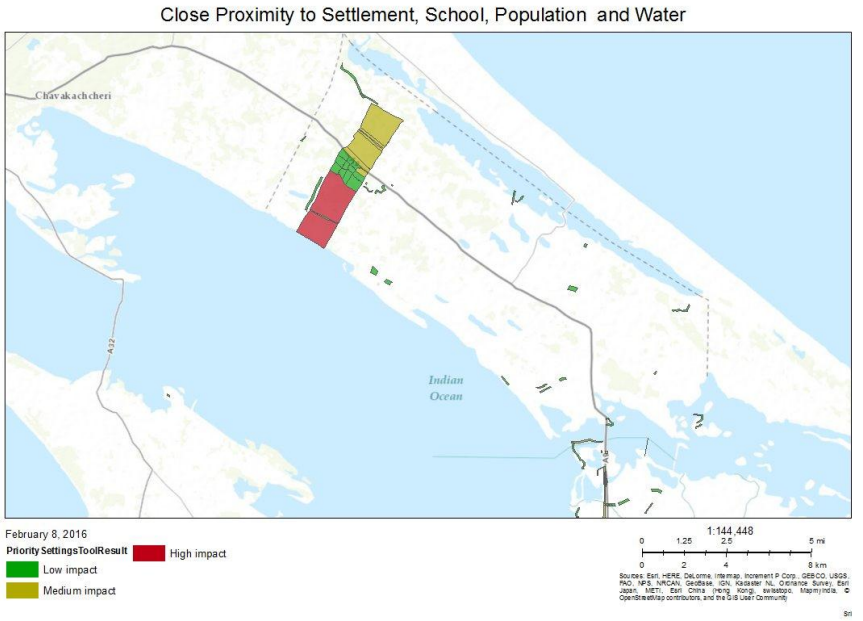
Setup criteria and data gathering / Testing with Operators (MAG, HALO Trust) Feedback reporting to GICHD / Completion

Identification of practical & technical issues and solved

Demonstration to Mine Action stakeholders and other interesting Professional Parties (Academic)

Criteria	Indicator	Spatial Data & Attribute	Source
Resettled population	No of Returnees & No of Settlement	Population/ Settlement locations/ Hazard Area	Census and Statistical / GAs/IMSMA
Hazardous areas between 0.5 kilometers to 1 km from villages, main roads and access roads , Water body , school	HA located within 0.5 km to 1km of settlements or roads, Water and other	Landuse data/ HA	Relevant Ministries/ Dept.
Land with essential infrastructure such as existing roads, electricity supply, water supply and irrigation systems	Proximity of the Infrastructure to HA	Spatial Data	Water Board/ RDA, CEB etc
Land where people conduct their livelihood activities	Proximity to Livelihood	Cultivated Area	Survey Dep.





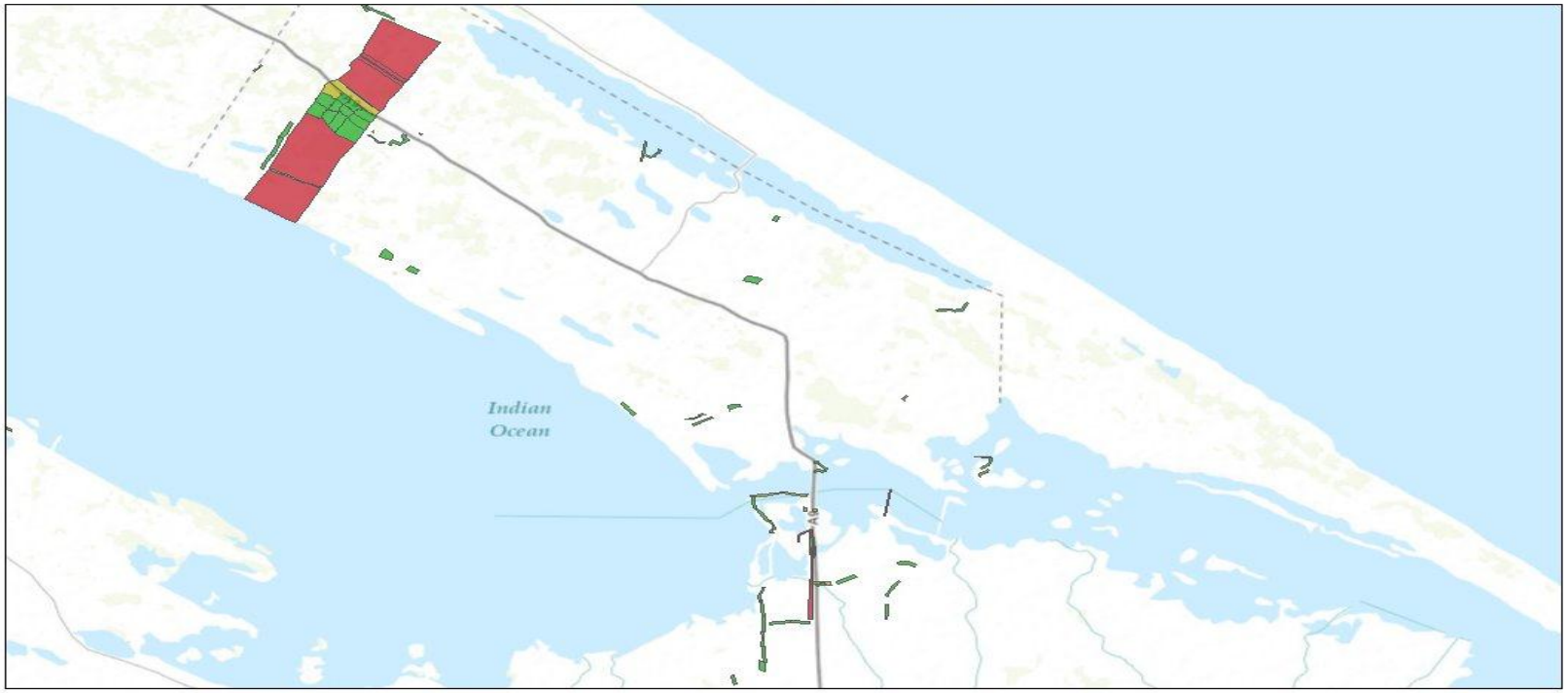
Results and Findings

Application – HA Prioritization considering Indicators (population, settlements, schools and water)
Area –Killinocichci District
Hazardous Area – 17 sqkm

Results – High Impact visualized in red color while less impact in green and yellow respectively.

For example in the first map the population parameter was given a high weightage hence its result a red patch in the map. In the second map the water parameter is given a less weightage. As a result we can see a yellow patch in the second map, showing that depending on the weightage / prioritizing the results have changed.

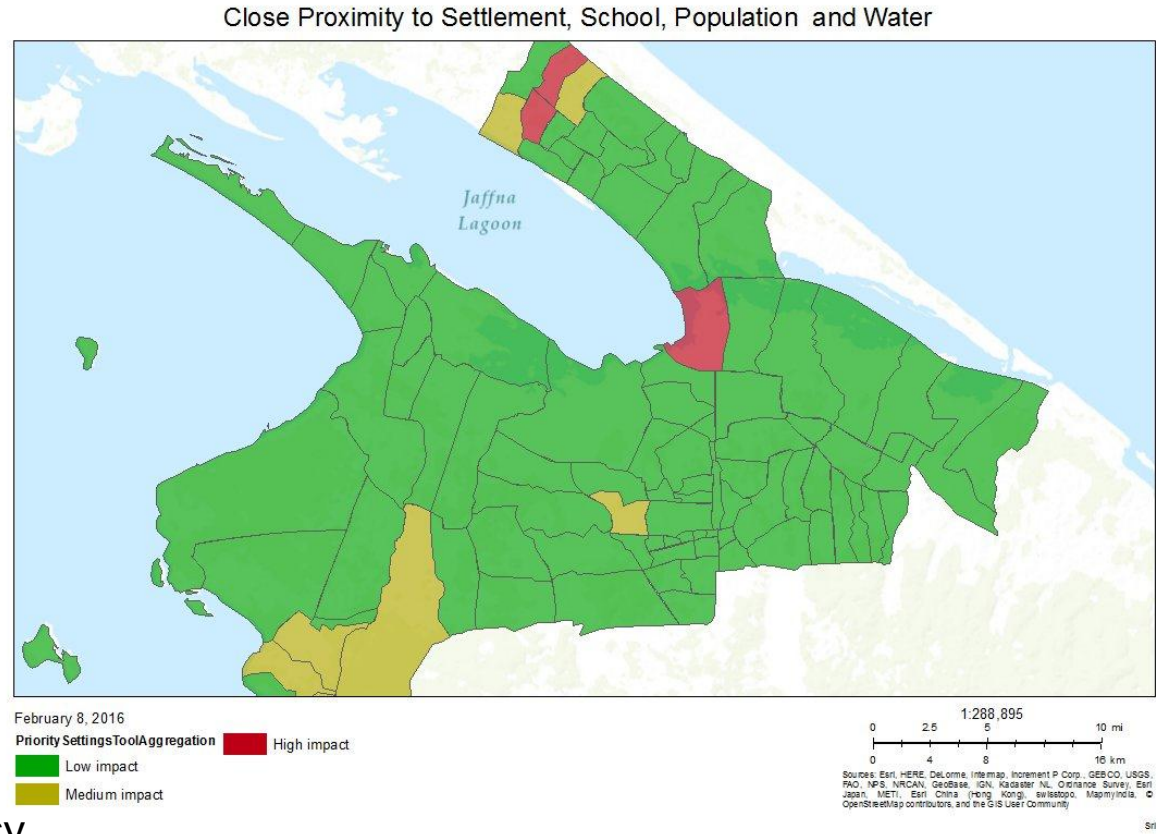
Close proximity to Settlement and Roads



Impact	Area size (Sqkm)
High	9
Medium	2
Less	6
Total	**17**

Variable	Proximity (m)
Settlement	700
School	700
Water	700
Main Road	200
Access Road	400

GICHD



Feedback

- User Friendly Interface
- Powerful tool for fast decision making
- Weighting methodology are quite easy
- Output and the analysis system are impressive
- All Results and accuracy depend on the spatial data quality
- As needed, indicators/ variables can be introduced and changed
- Need ground truth verification to have good results
- It is better to develop a standard weights to each parameter, in order avoid the different results from the different ground users.

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