

SCENARIO ROOM PROJECT TO SUPPORT EIA IN SAO PAULO STATE - BRAZIL

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Construction and Operation of large projects in Brazil



require environmental licenses (permits)

- preliminary
- installation
- operation



In São Paulo State issued by CETESB



Mining



Landfill



Agrobusiness



Airports



Highways



Residential Complex





Logistics Terminals



Pipelines



Metropolitan Transportation



Railways



Hydropower





Industries



Powerplant



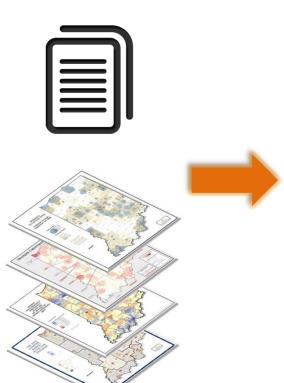


BACKGROUND

- Preparation and review of EIA reports:
 - demand and generate a lot of information (fields surveys, monitoring, mapping, modelling, etc.)













SCENARIO ROOM PROJECT

Goals:

facilitate access, allows quicker and deeper
 EIA review, uses previous acquired
 information



- Scenarios Room Project:
 - GEO Solution + DOC Solution (Content Management) + Modeling



GEO Solution is basically a Geoportal



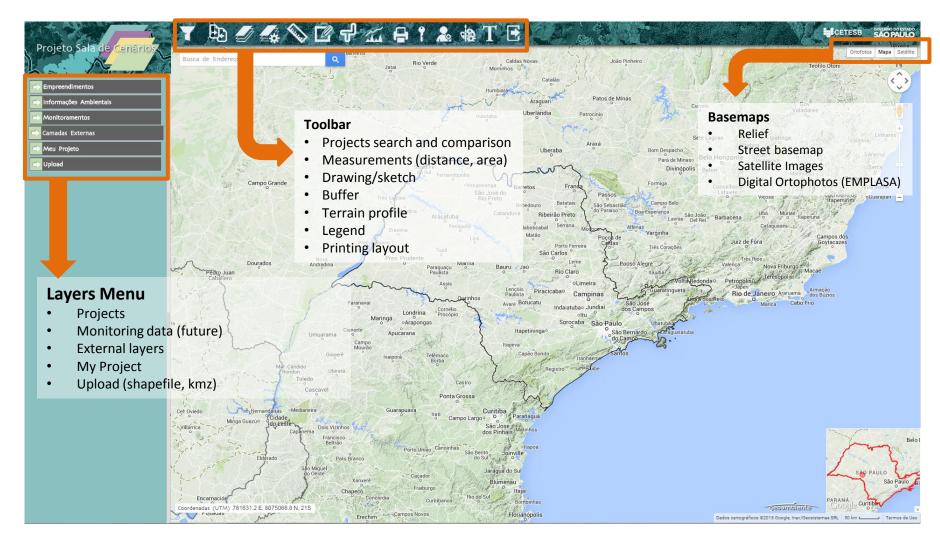






GEOPORTAL





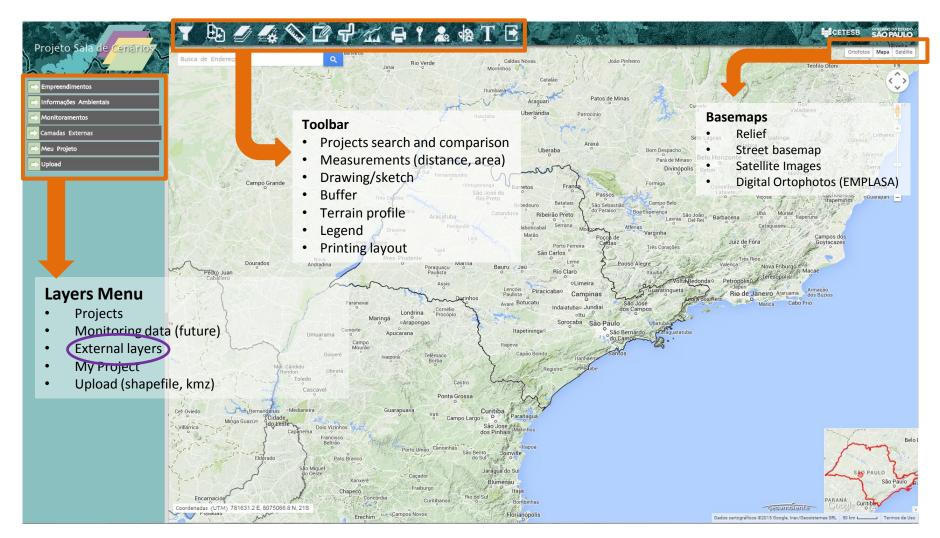






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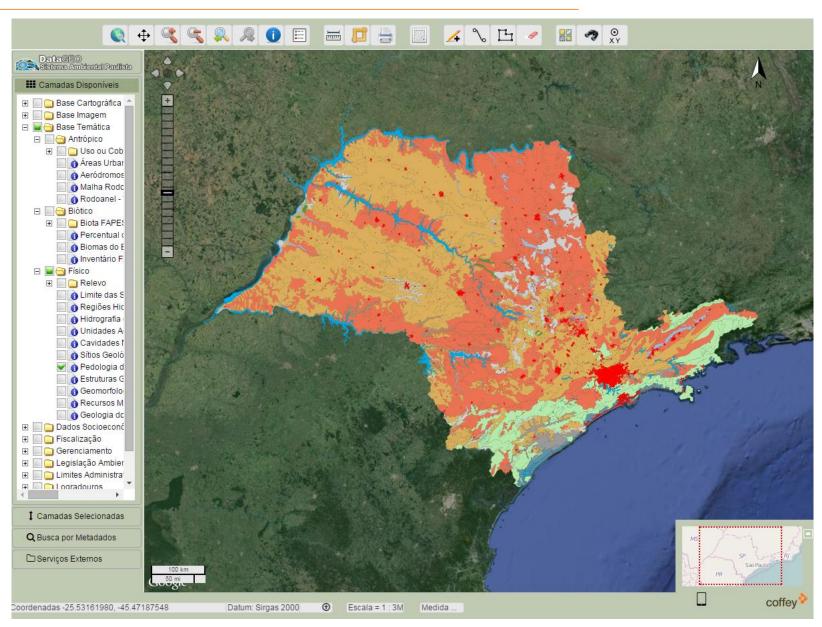








DATAGEO



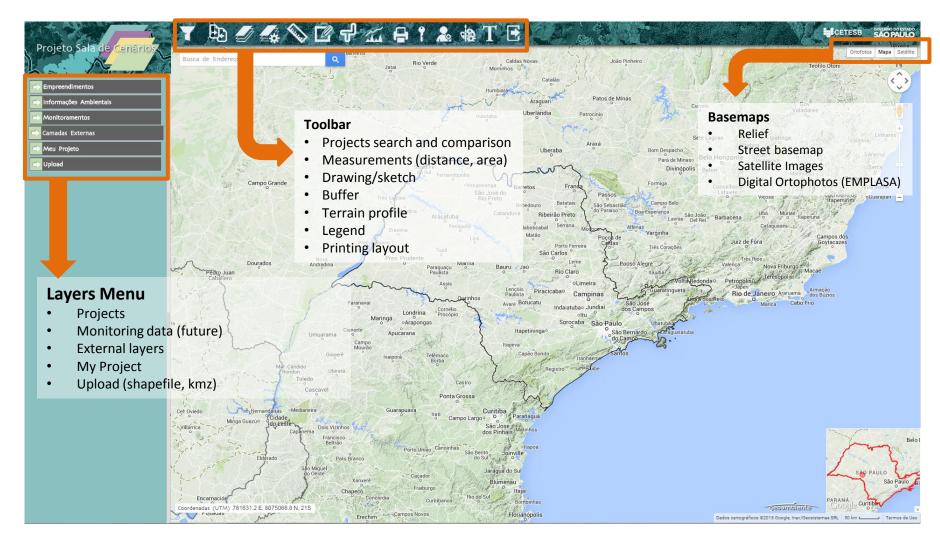






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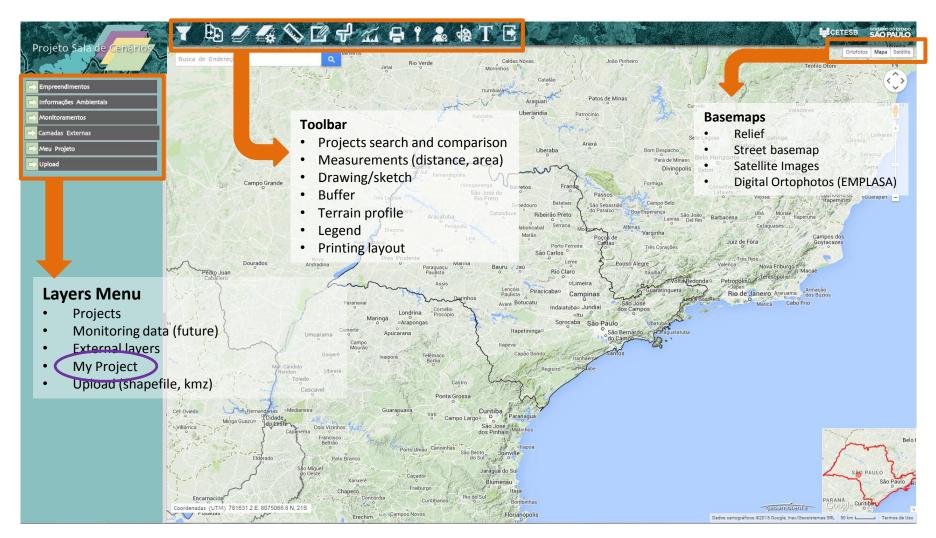






GEOPORTAL













MY PROJECT



Environmental assessment of a new project

New project proposal (draw or upload)













- New project proposal (draw or upload)
- Waterways









MY PROJECT



- New project proposal (draw or upload)
- Waterways
- Contours













- New project proposal (draw or upload)
- Waterways
- Contours
- Forestry





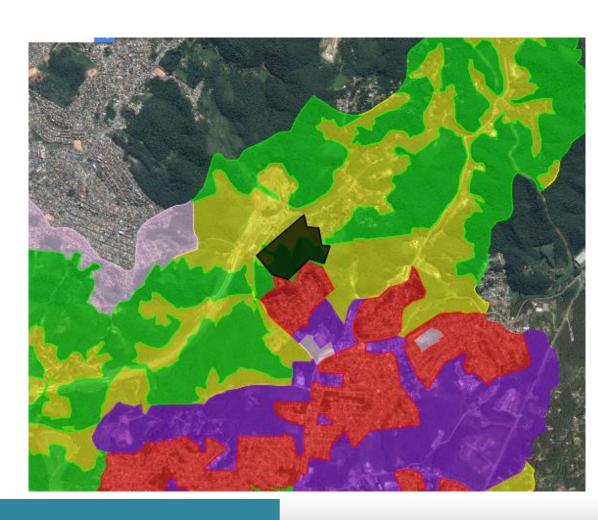




MY PROJECT



- New project proposal (draw or upload)
- Waterways
- Contours
- Forestry
- Environmental protected areas













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- Waterways
- Contours
- Forestry
- Environmental protected areas
- Other projects on surroundings













- New project proposal (draw or upload)
- Waterways
- Contours
- Forestry
- Environmental protected areas
- Other projects on surroundings
- Monitoring data











MY PROJECT



Environmental assessment of a new project

- New project proposal (draw or upload)
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- Environmental protected areas
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Save



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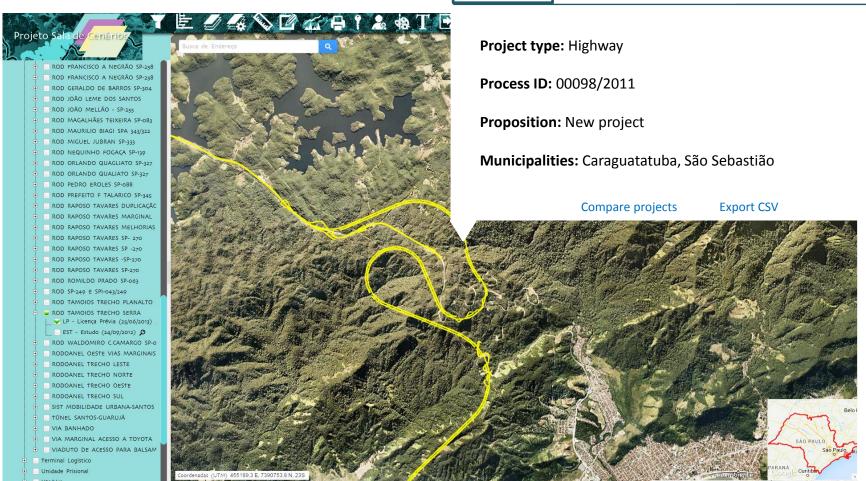






Projects features

Environmental indicators

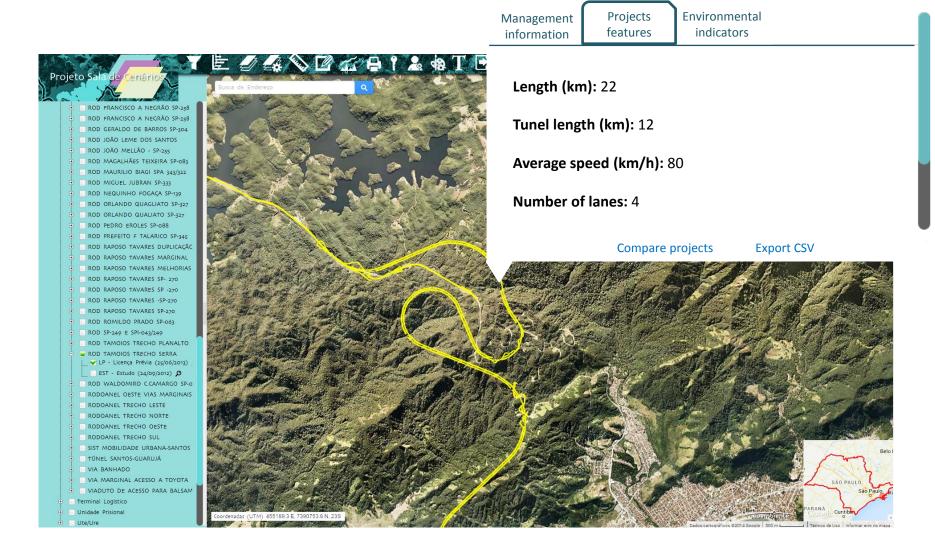


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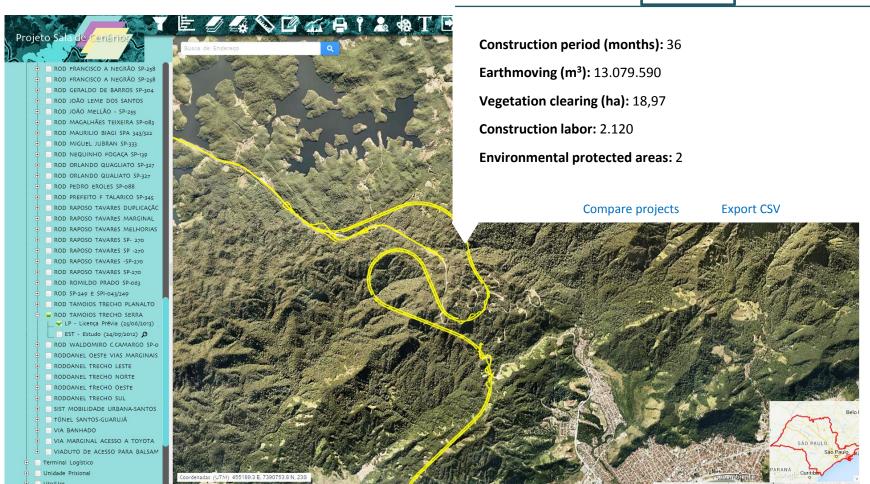








Projects features Environmental indicators



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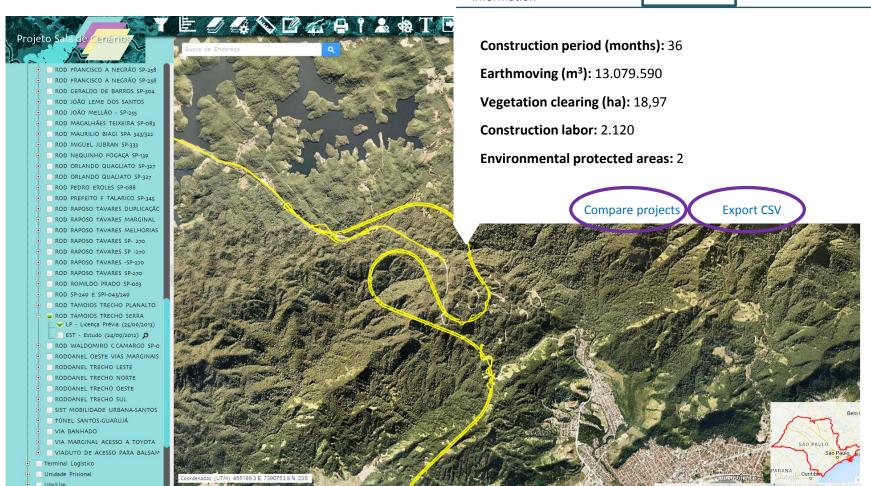






Management information

Projects features Environmental indicators



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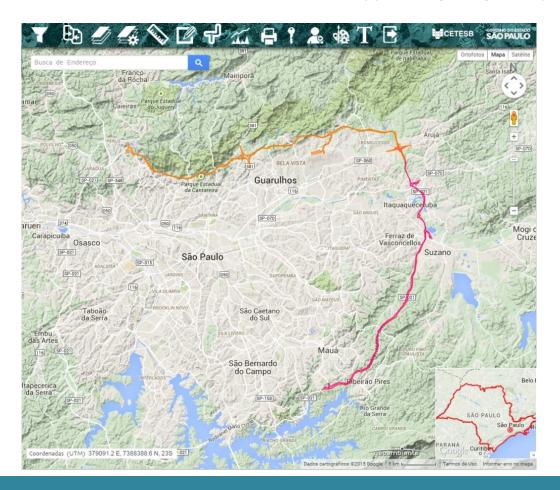




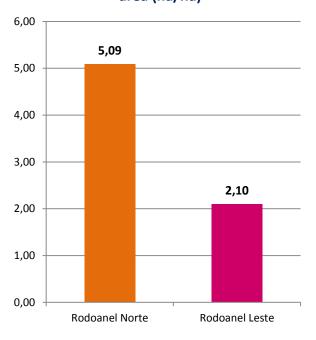


SIGNIFICANCE OF IMPACTS

Comparing the environmental indicators of two or more projects of the same type (e.g. highways)



Vegetation clearing per affected area (ha/ha)



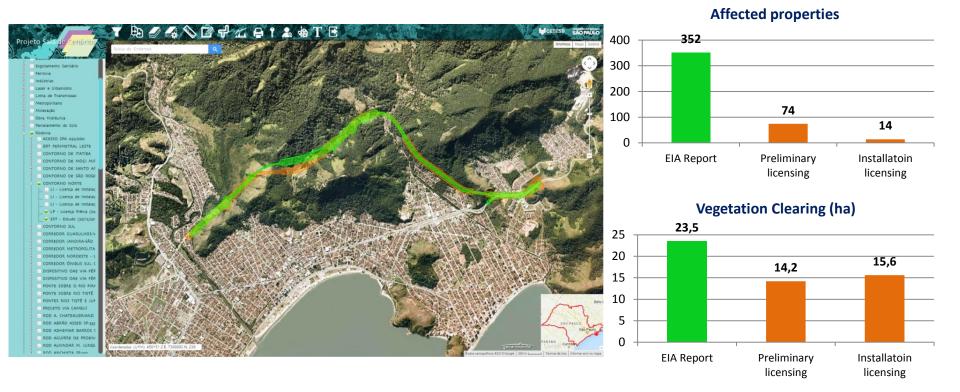






EFFECTIVENESS OF THE ENVIRONMENTAL LICENSING

Comparing the environmental indicators of the same project, but throughout the various licensing stages (study, preliminary, installation, and operation licenses).



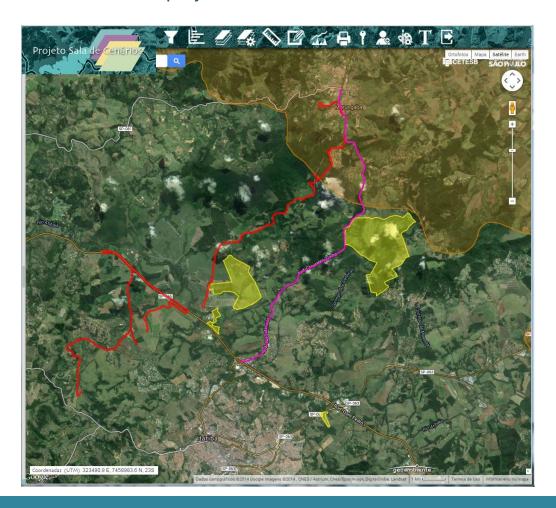




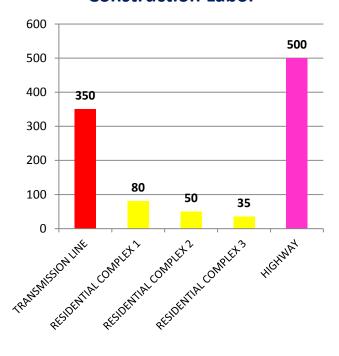


IMPACTS IN THE SURROUNDINGS / CUMULATIVE?

Comparing the environmental indicators of two or more projects in the same area.



Construction Labor



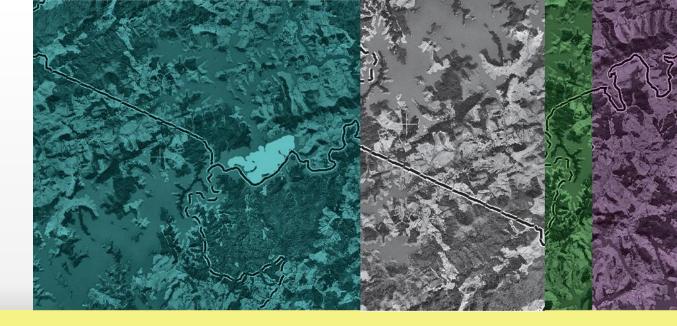
Environmental Protected Areas (Sustainable use)



FUTURE DEVELOPMENTS

- Feeding the Geoportal in an automatic way;
- Increasing interactions with other institutions licensing Systems;
- Developing more sophisticated environmental analysis tools;
- Using Content Management Solution to improve the Project.





Thank You!

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