Information Center for Decisions in Public Health

Transferring knowledge to the public health workforce, decision makers and to the general population



SECRETARIA DE SALUD

To contribute to the improvement of population's health through the management, translation and dissemination of evidence based knowledge; promoting its use in policy and decision making, capacity building and the adoption healthy lifestyles





- To provide scientific knowledge to different actors in the society in a timely and accessible fashion to support decision making processes, policy making, capacity building and adoption of healthy lifestyles
- To apply most up to date ICT to the dissemination of translated knowledge and to the development of information systems useful in the planning, operation, monitoring and evaluation of health systems



Our intended target





- Policy makers
 - Legislators and high level health officials
- Public Health workforce
 - Program managers and operators
- Private sector
- General Public





Knowledge management, translation and dissemination



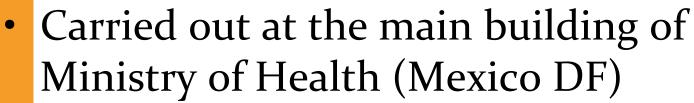
- Institutional seminars
 - Special seminars for high rank officials in the public health sector
- Development of web-based applications
 - Knowledge management
 - Capacity building
 - Geographic Information Systems
 - Public Health surveillance
 - Public health infrastructure planning
- Printed materials



Institutional Seminars







- To maximize attendance of High rank officials
- Combining INSP areas of expertise and needs
 - Binging together experts from all over the world and decision makers in Mexico
 - Nutrition
 - HIV/AIDS
 - Safe antibiotic use
 - Health information systems performance
 - Maternal health and maternal mortality reduction
 - Quality of health services













Printed materials

and press office

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- Institutional magazine:
 - De Viva Voz, now Viva Salud

Triptychs

Press releases

- Media review
 - INSP
 - Public health





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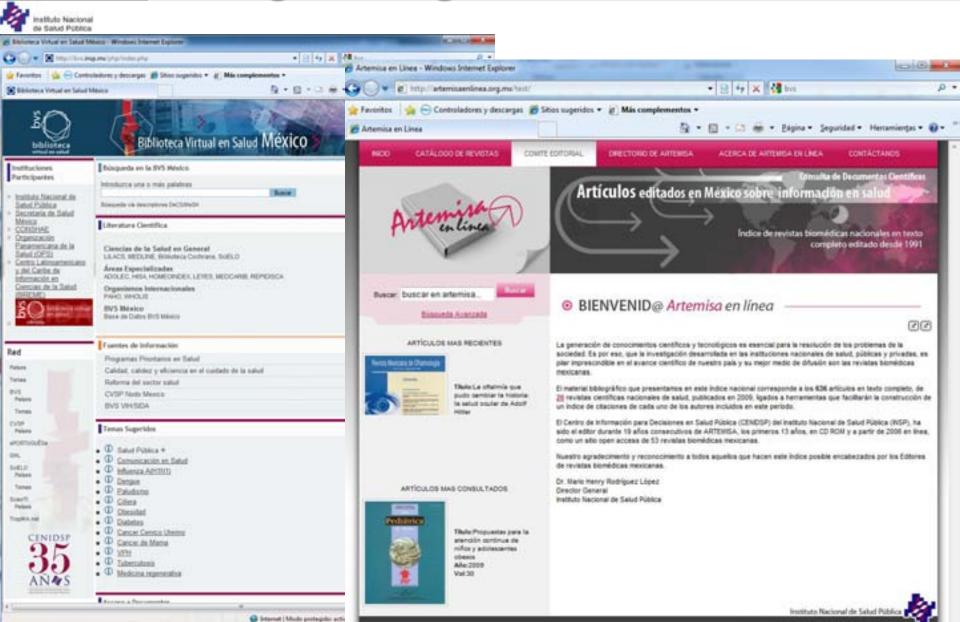




Web-based Applications:

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Knowledge management and dissemination







Web-based Applications:

BRAVILLAR GUBRAR

Capacity building







Web-based Applications:

Geographic Information Systems



- Public health surveillance
 - Drinking water quality (residual chlorine)
 - Malaria
 - Dengue
 - Influenza A(H₁N₁)

- Public health infrastructure planning
 - Public sector master plan



Data Integration in GIS

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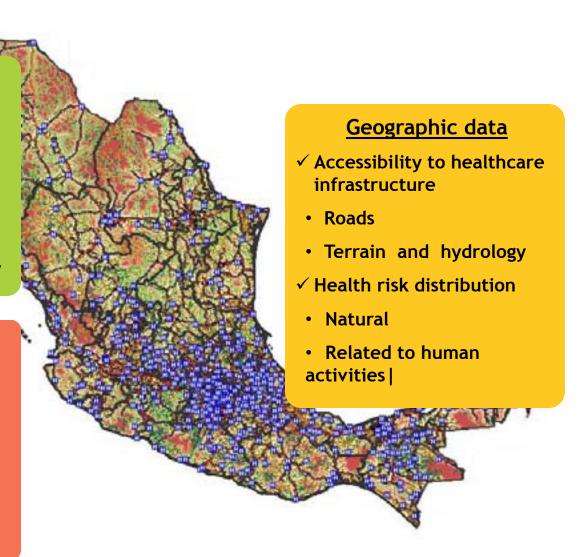


- √ Healthcare Infrastructure
- √ Hospital discharges
- ✓ Service demand
- ✓ Epidemiological Surveillance)
 - Morbidity and Mortality



Demographics

- ✓ Population an population growth projections
- √ Vital statistics
- ✓ Socio-demographic Indicators
 - Deprivation
 - Human development





Better decision making



Geographic Information Systems (GIS) are tools that facilitate integration of evidence to support decision making in public health





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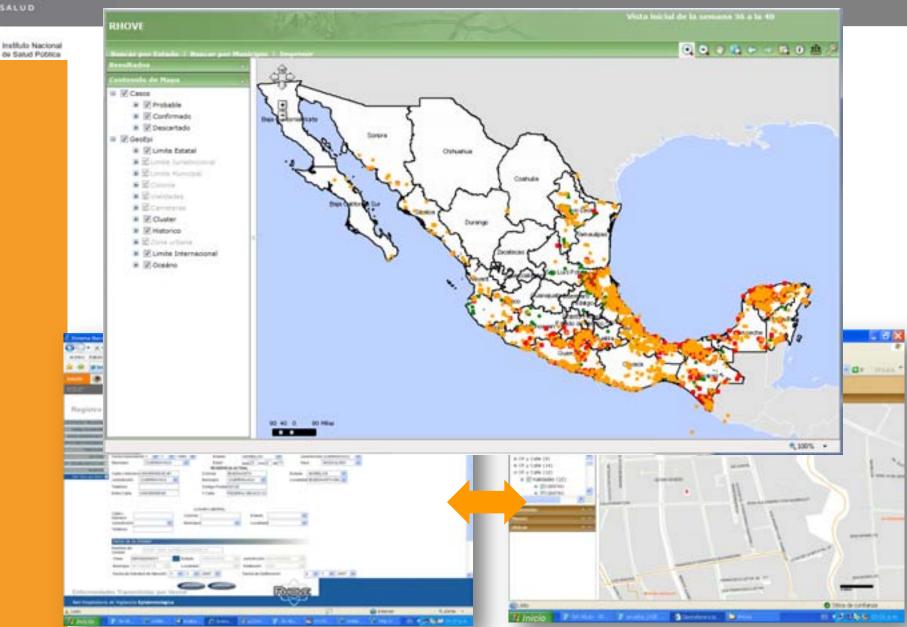
Other Web based GIS applications

DENGUE SURVEILLANCE AND VECTOR CONTROL SYSTEMS



Geo-coding module







Dengue surveillance system



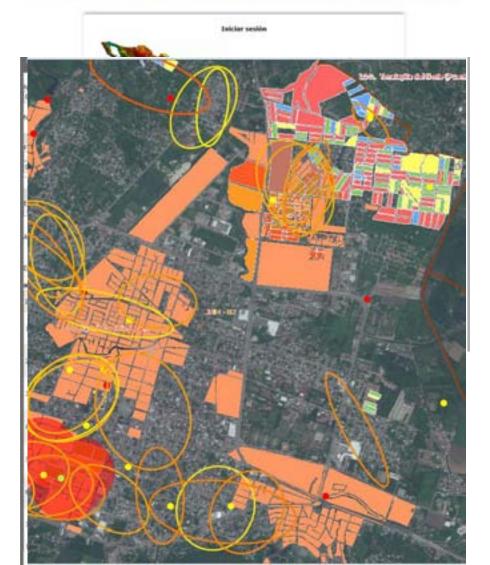


- WEB Application
- Data entry forms

Enthomologic evaluation (Larvae infestation)

Hosehold quality index

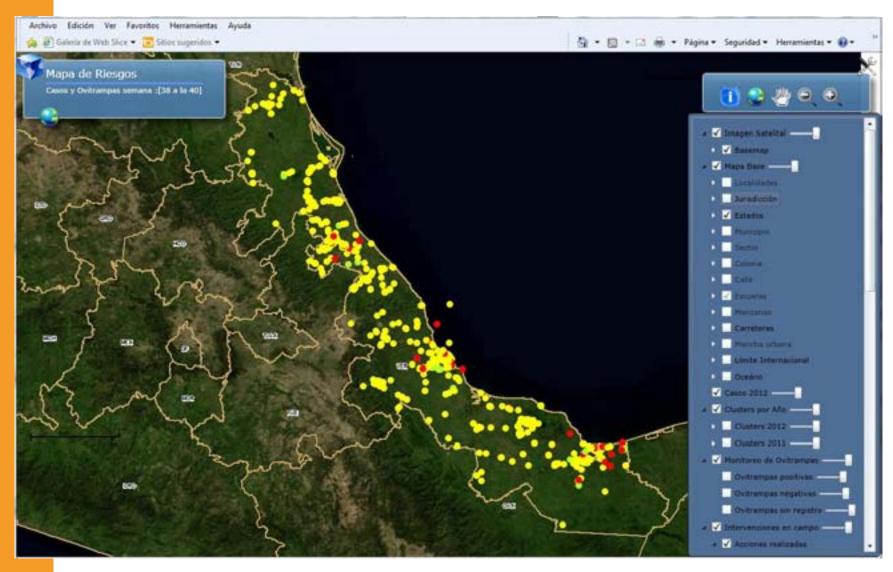






GIS, Veracruz Estate

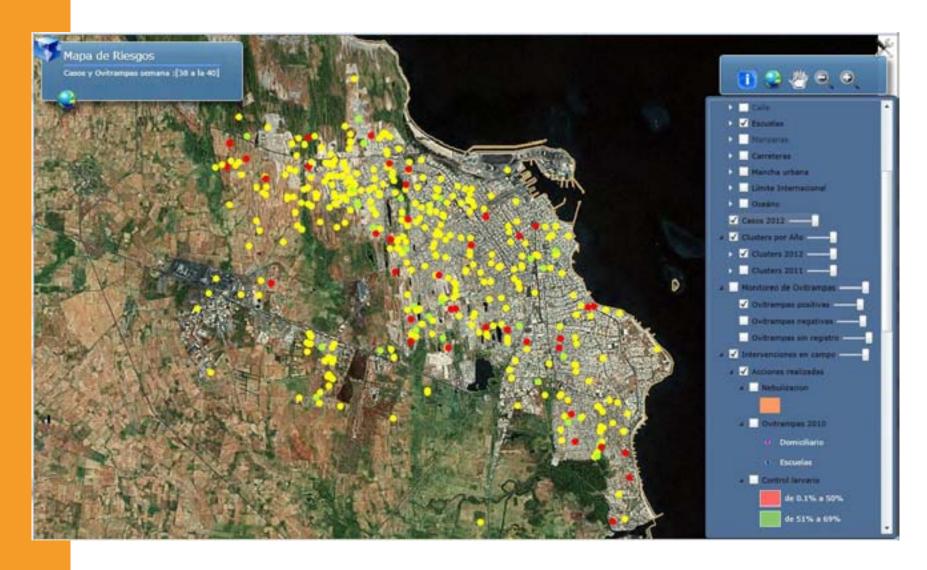






Veracruz Seaport

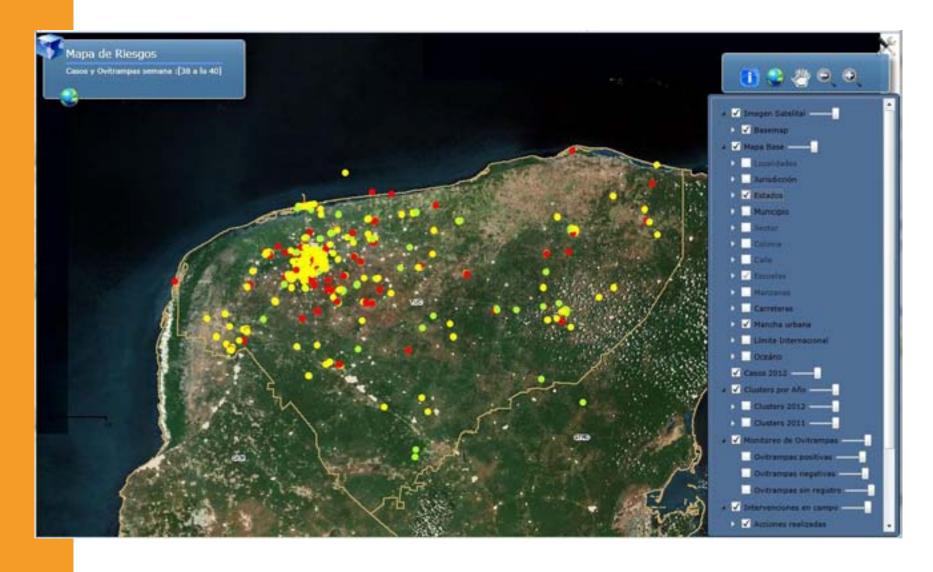






Yucatan Estate









Merida City, Cases and Cluster

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Ovitraps





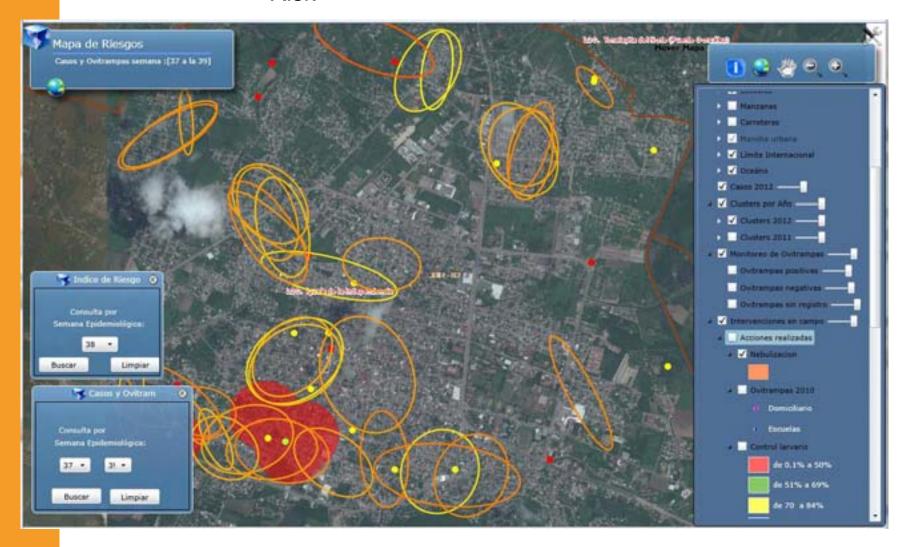


Iguala, Gro

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Risk

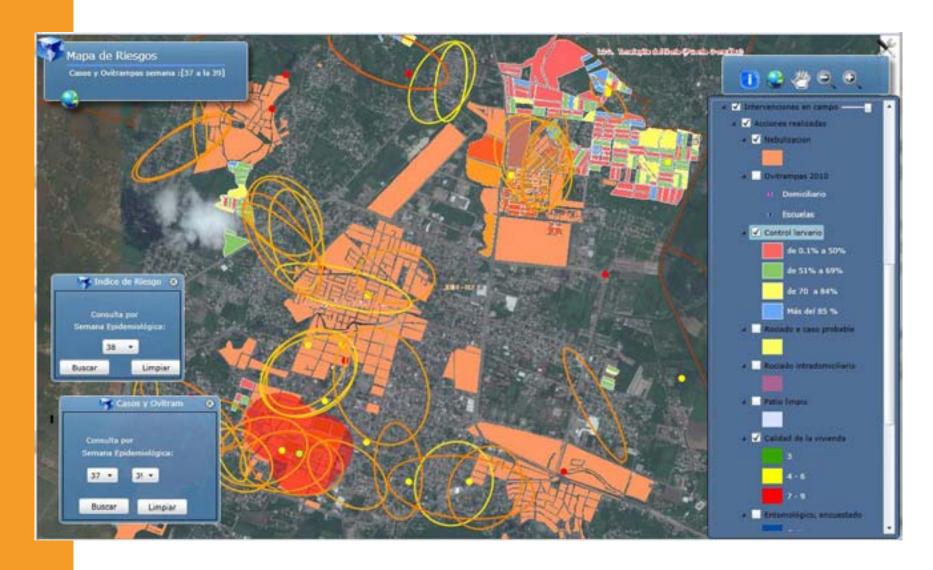




Interventions

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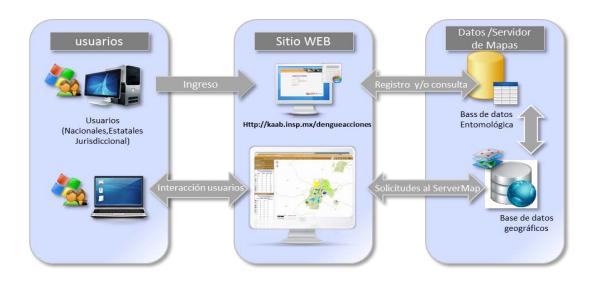




System architecture and usage statistics

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Lecturas de Enero 2011 a Marzo 2012



Tendencia a la alza en lecturas registradas de enero 2011 a Marzo de 2012.

^{*} Periodo de actualización





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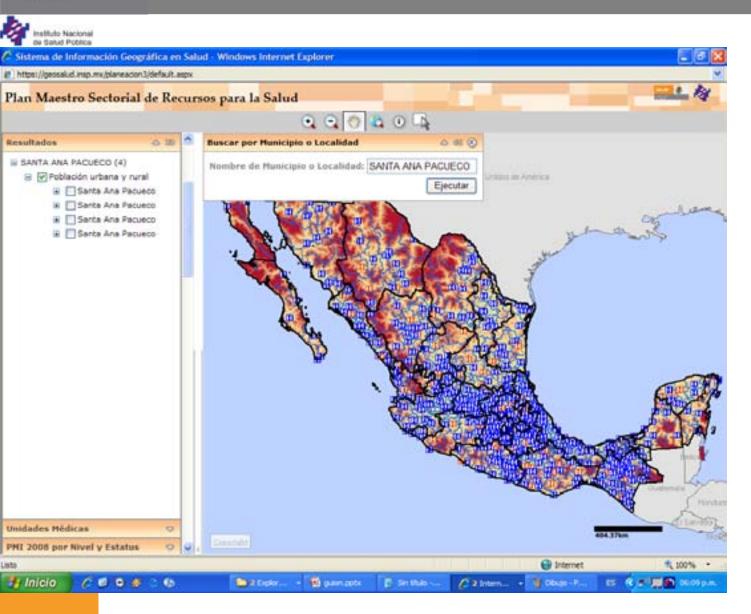
Other Web based GIS applications

PUBLIC HEALTH STRATEGIC PLANNING





Search Capabilities

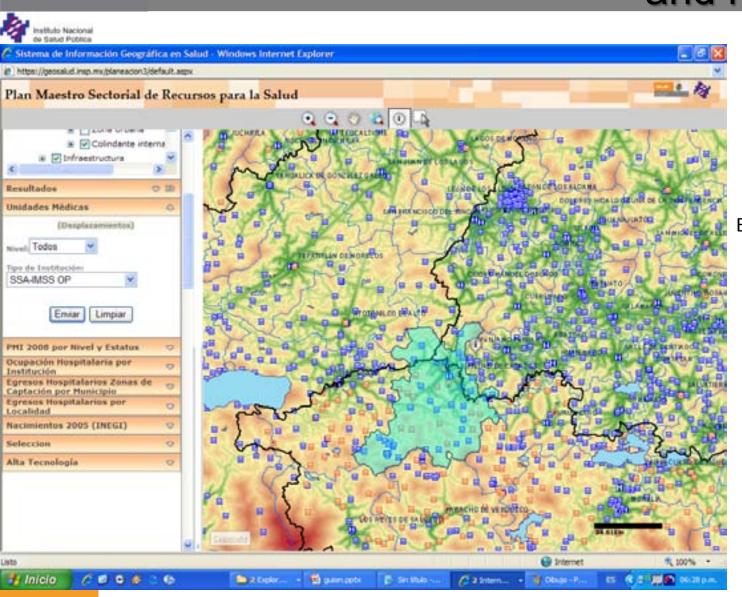






Information by hospital, locality and municipality

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Urban areas

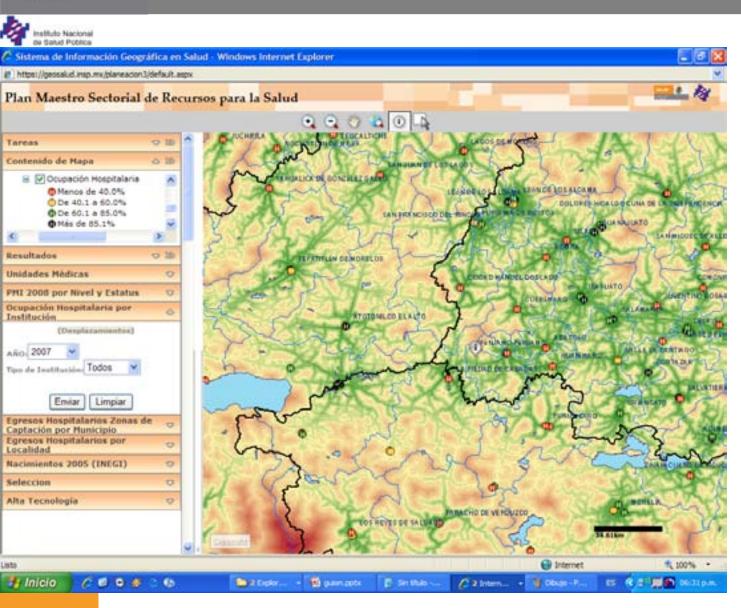
Carchment areas

Existing Infrastructure



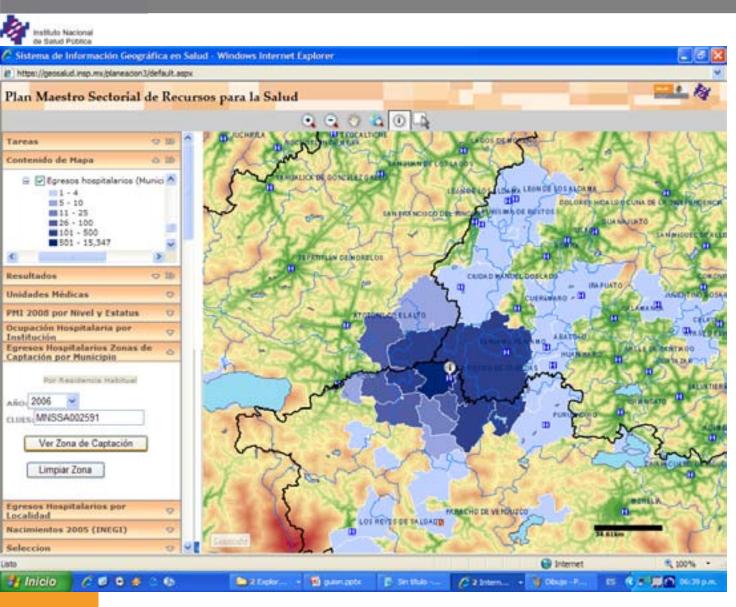


Hospital occupancy





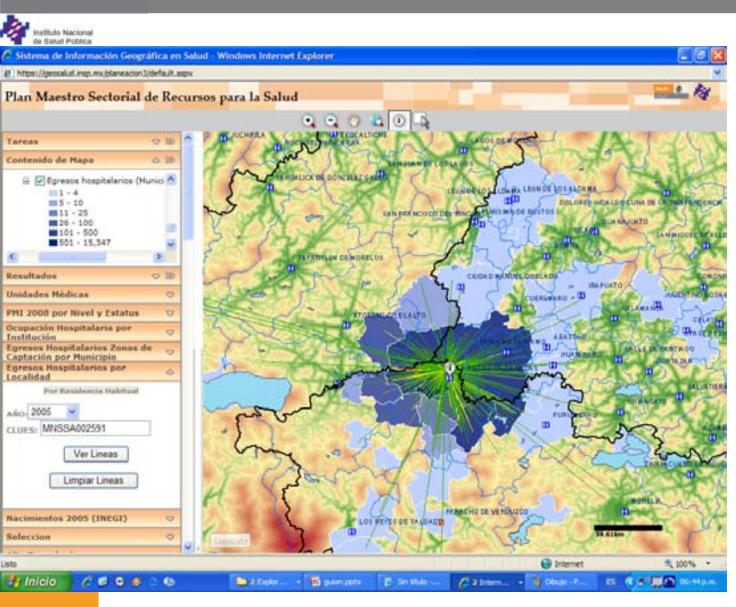
Catchment areas





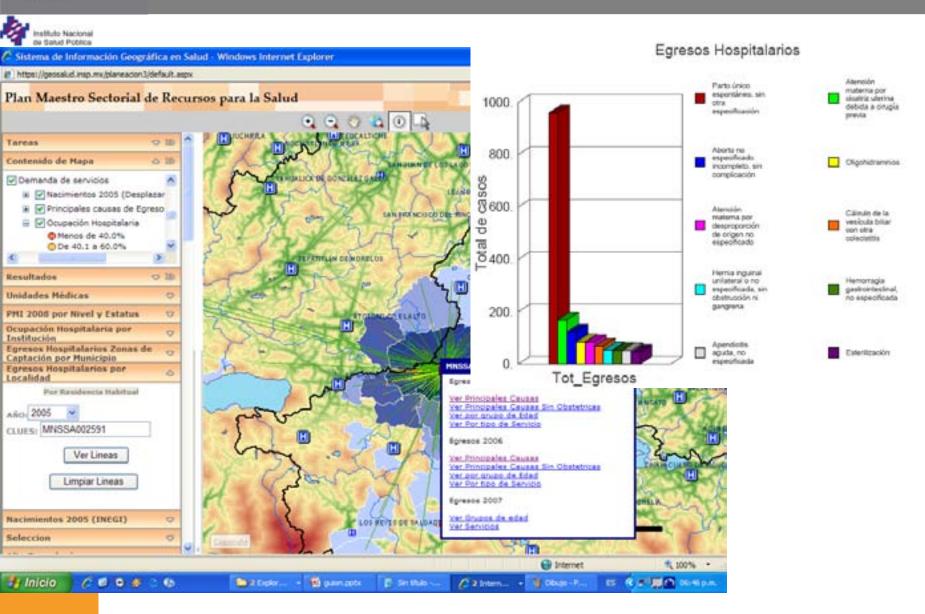
Catchment areas

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Hospital Discharges





Future Developments





- Capacity building
 - MPH in Biostatistics and Health Information Systems
- Set the basis for a unified epidemiological surveillance system in the region
 - Web-based GIS with distributed databases (one per country)
 - Replication a set of indicators for all the region



Plataforma Dengue

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• http://kin.insp.mx/aplicaciones/plataforma
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