


Development of AIM/Impact [Country]

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Items of today's presentation

- Background and objective
 - Framework of AIM/Impact [Country]
 - Introduction to the components of AIM/Impact [Country]
 - Development schedule
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Background

- Increasing attention to national-scale impact studies.
 - AIACC (Assessment of the Impact of and Adaptation to Climate Change Project)
 - National Communication
- Necessity of enhancing efficiency of the collaboration among AIM/Impact teams.
- Suitability of AIM/Impact for assessment of regional impact.

Objectives and features of the AIM/Impact [Country]

- Package of models, tools and data for scenario analysis of national-scale climate change impact assessment.
- Executable on PC-Windows (free from UNIX & GRASS skill)
- Bundled datasets for basic assessment.
- Readily achievement of spatial analysis.
- Detailed manual documents.

Potential users of the model

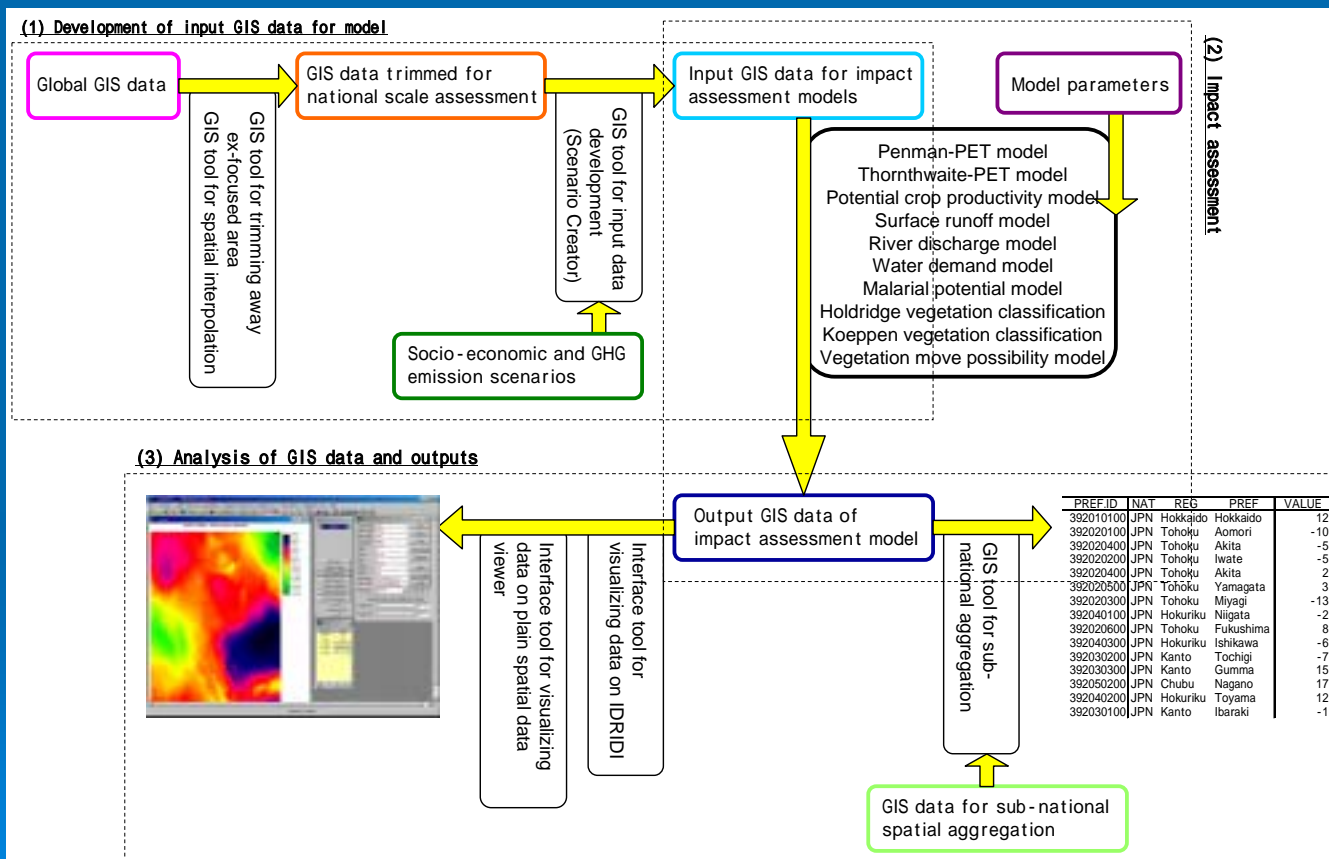
➤ Inside AIM project.

- Model is improved by replacing parameters or using more detailed data.
- Recommendation to use IDRISI-GIS.
- Source code and the latest databases are shared among the teams.

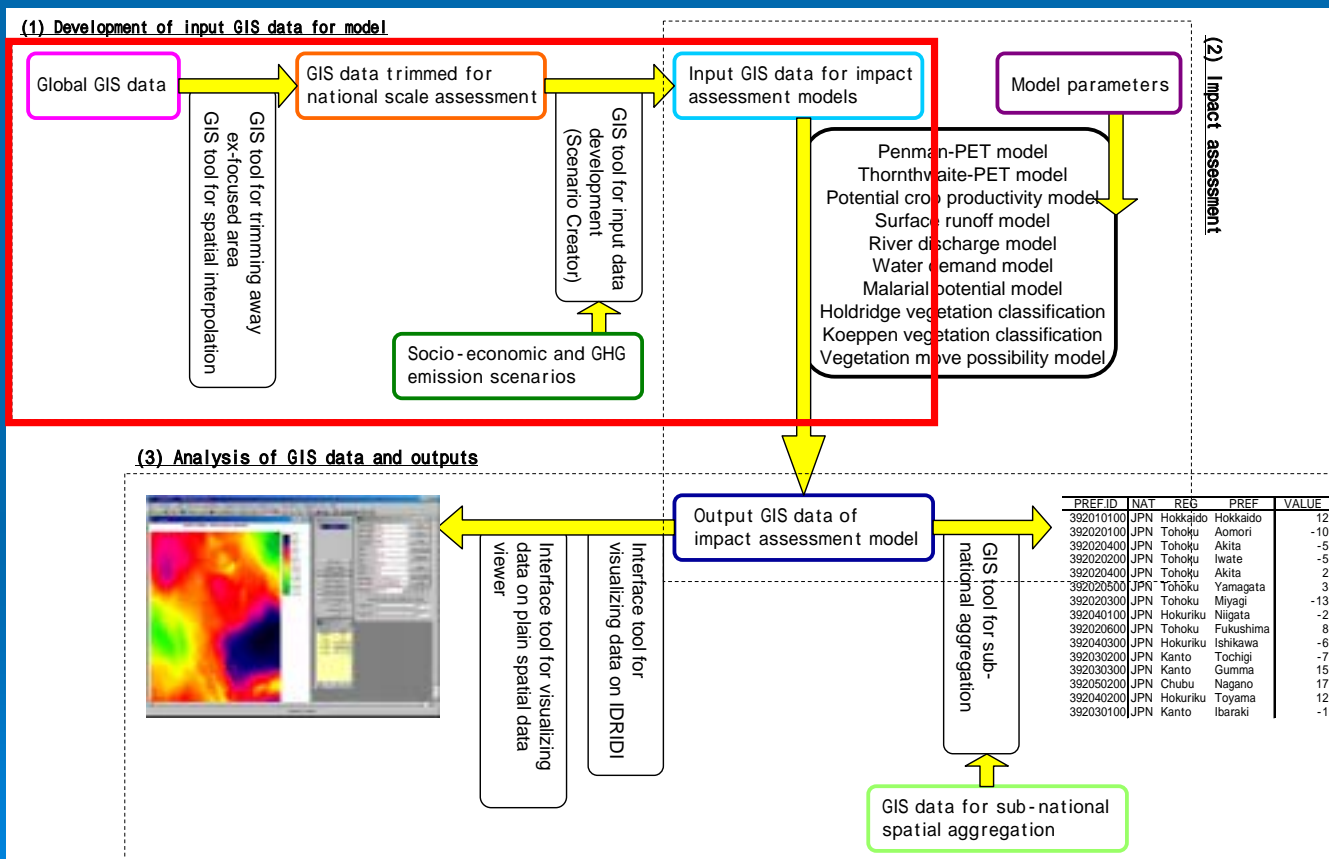
➤ Outside AIM project.

- Researchers, governmental officers or others who want to assess future national impact of climate change.
- Interactive user interface and ready-made datasets are provided for instant achievement of scenario analysis.
- Spatial visualization is achieved with a plain spatial data viewer controlled from AIM/Impact [Country] interface.

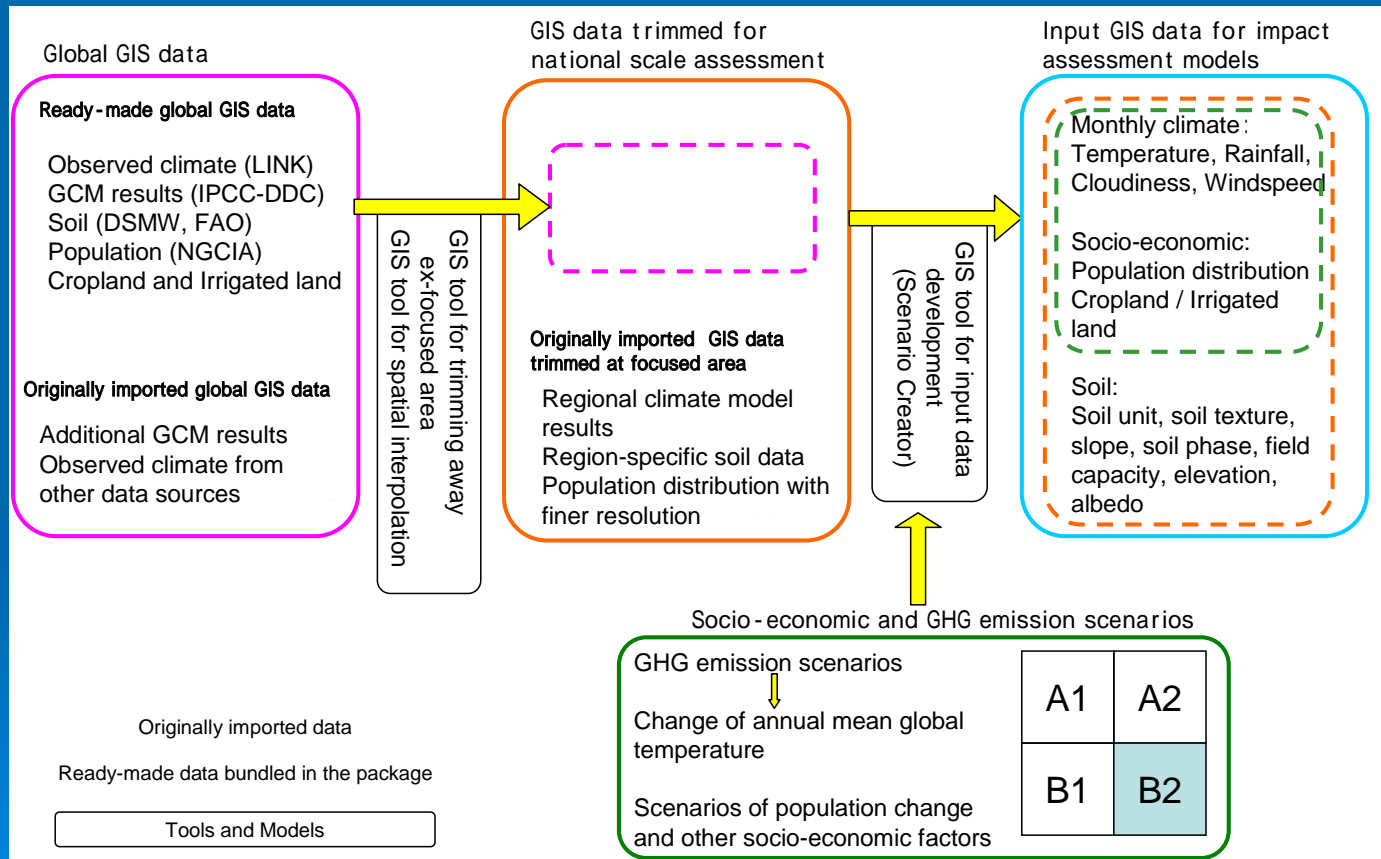
Framework of AIM/Impact [Country]



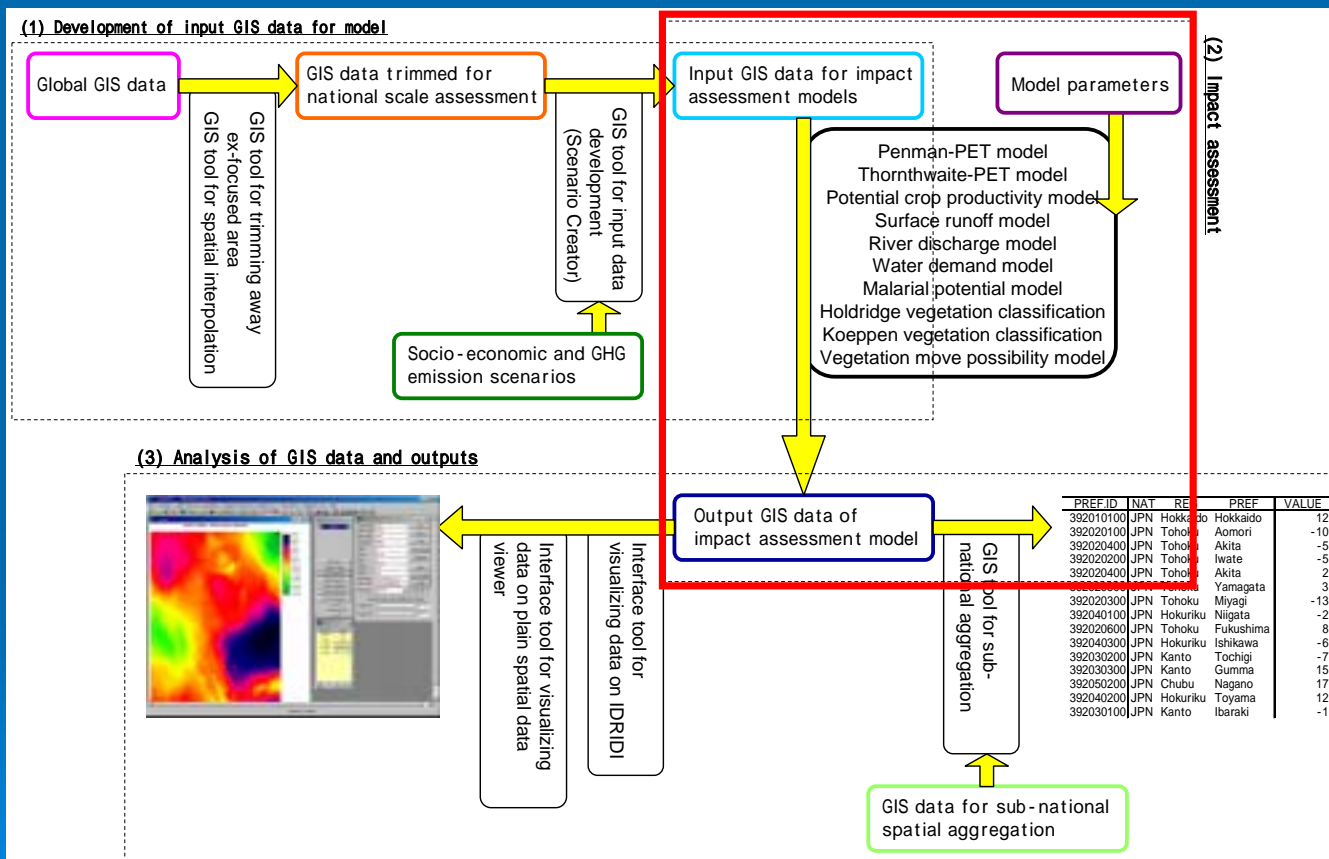
Framework of AIM/Impact [Country]



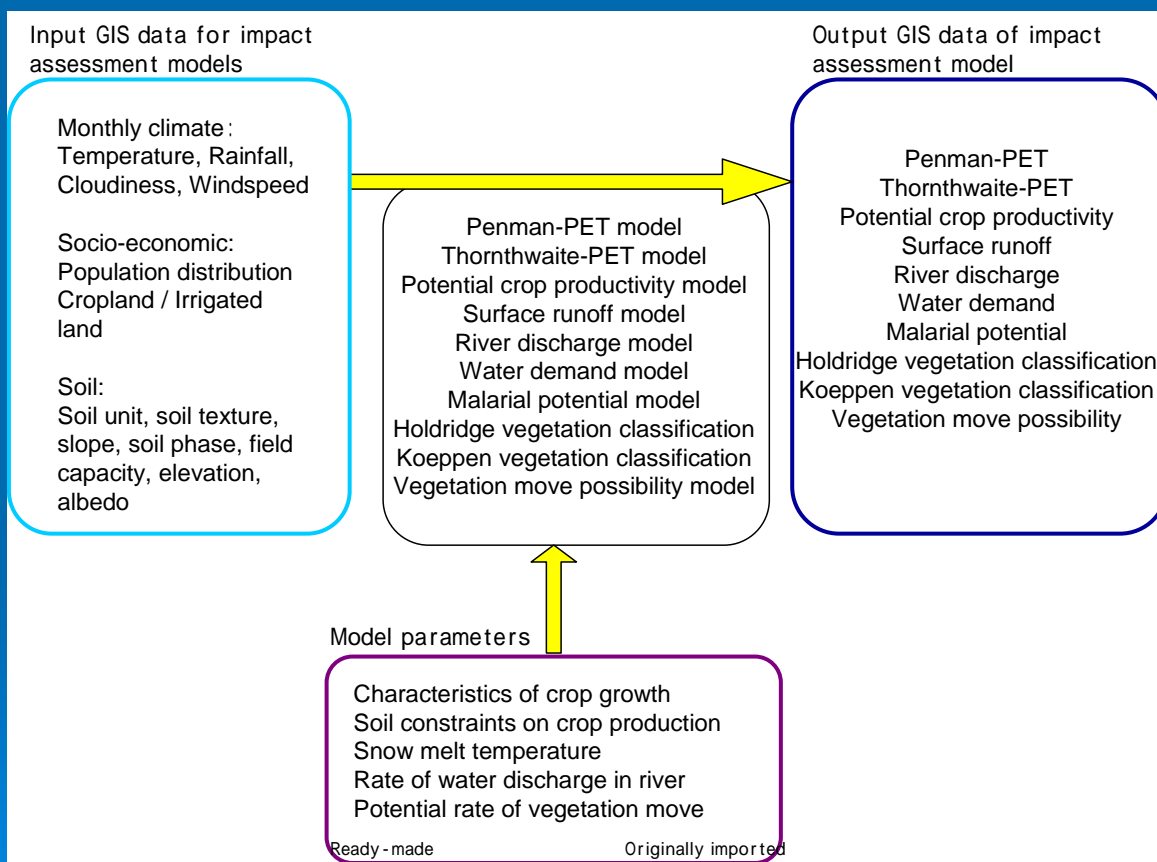
Development of input GIS data for impact assessment models



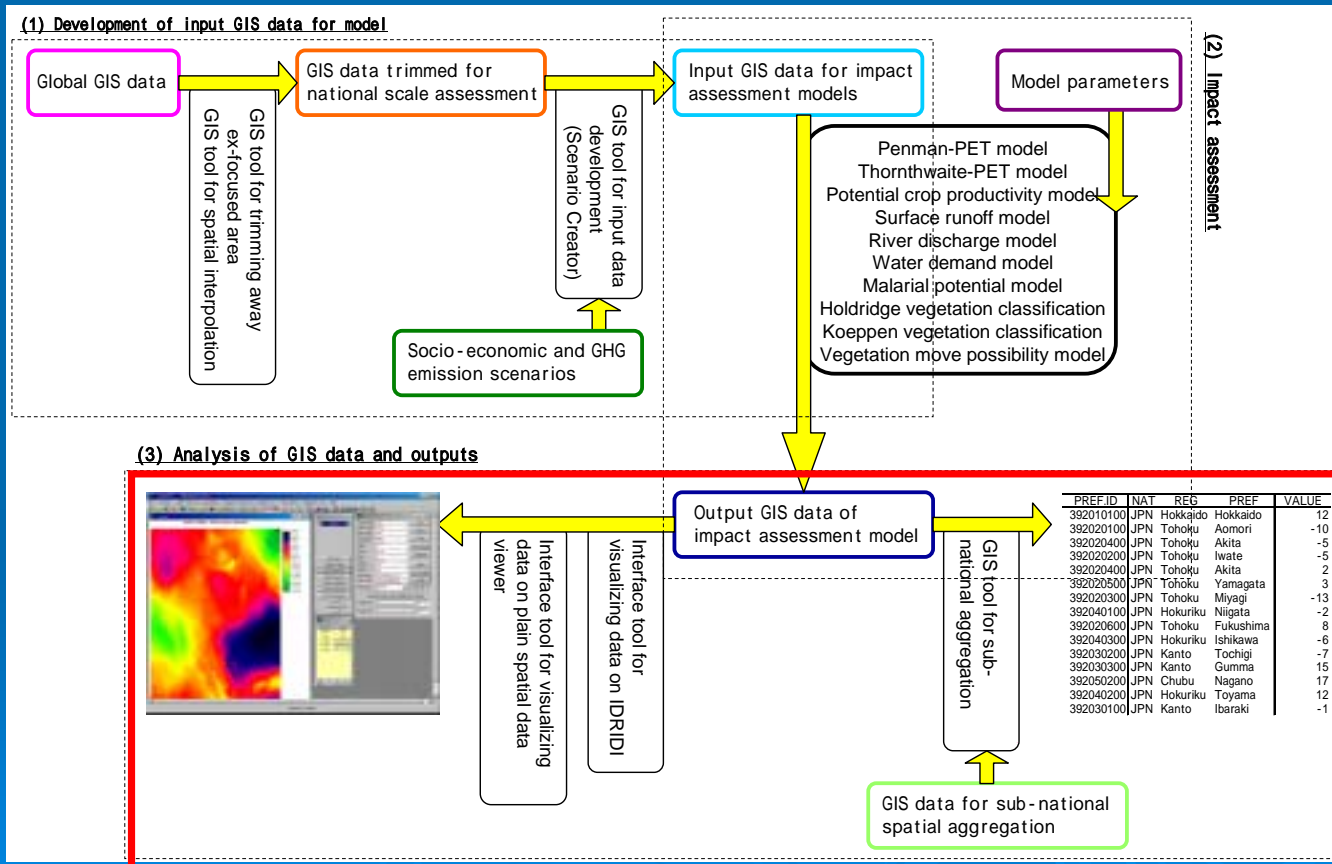
Framework of AIM/Impact [Country]



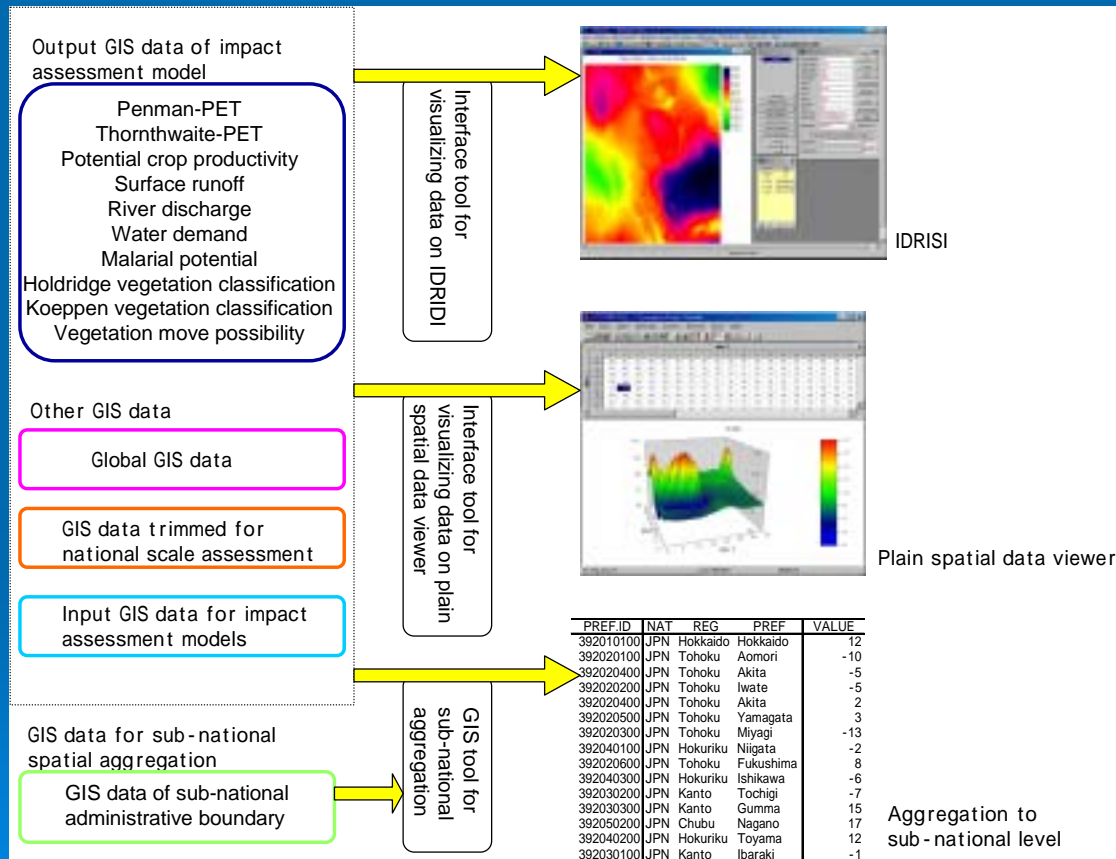
Impact assessment models



Framework of AIM/Impact [Country]

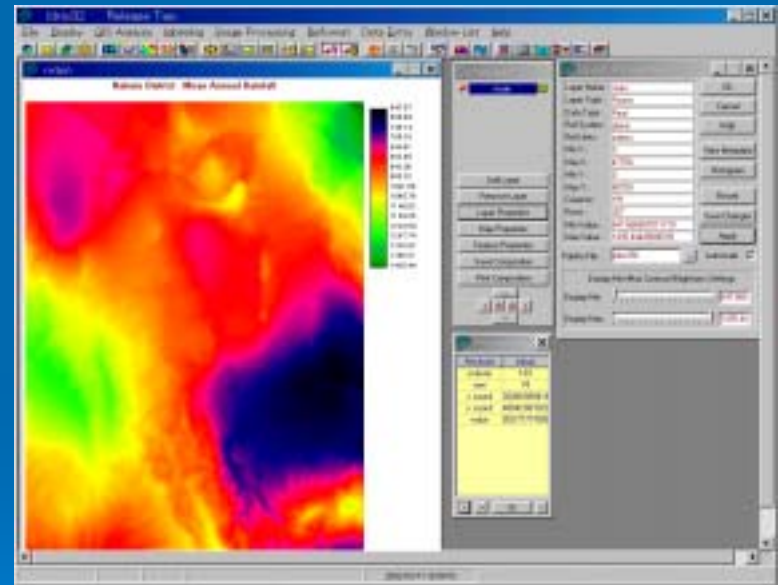


Analysis of GIS data and outputs



Analysis of GIS data and outputs - Visualization -

- For IDRISI user
 - GIS data in AIM/Impact [Local] will have genuine IDRISI format, and AIM/Impact [country] visualize the data with starting up IDRISI through IDRISI-API functions.
 - Full IDRISI functions can be used to process and analyze the GIS data in AIM/Impact [Local].
 - Restriction: IDRISI costs almost US\$1000 and cannot be included in the AIM/Impact-Country CD-ROM.
- For Non IDRISI user
 - Plain spatial data viewer software (COMPAC FORTRAN Array Visualizer) is included in the package, and user can see and print out the results visually.



Analysis of GIS data and outputs

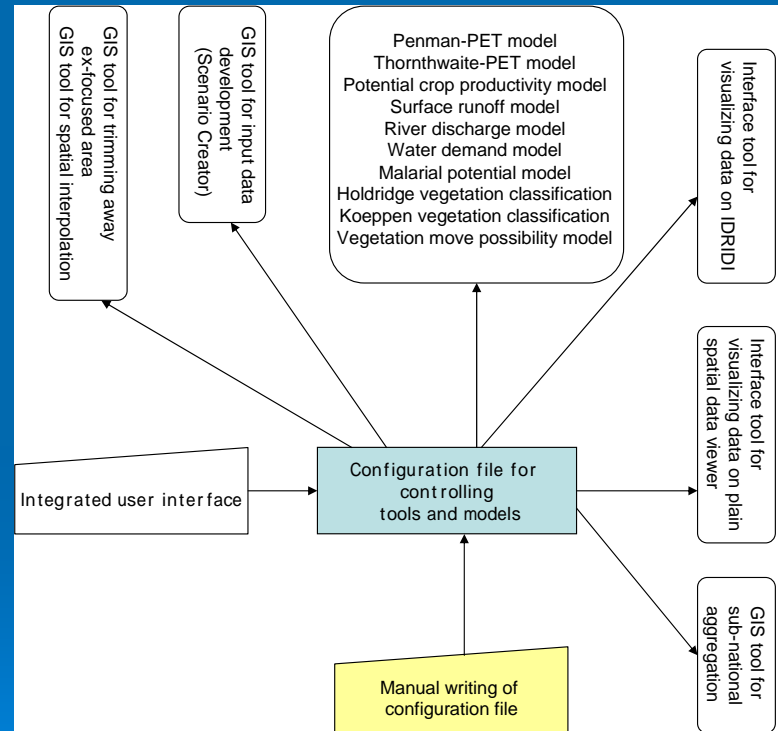
- Regional aggregation -

- Numerical grasp of the result with representative values is also important and useful.
- Input GIS data and assessed results of impacts are aggregated spatially and mean values for sub-national divisions are tabulated.
- Ready-made GIS data of sub-national divisions incorporated in the package.

| PREF.ID | NAT | REG | PREF | VALUE |
|-----------|-----|----------|-----------|-------|
| 392010100 | JPN | Hokkaido | Hokkaido | 12 |
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| 392020500 | JPN | Tohoku | Yamagata | 3 |
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| 392040300 | JPN | Hokuriku | Ishikawa | -6 |
| 392030200 | JPN | Kanto | Tochigi | -7 |
| 392030300 | JPN | Kanto | Gumma | 15 |
| 392050200 | JPN | Chubu | Nagano | 17 |
| 392040200 | JPN | Hokuriku | Toyama | 12 |
| 392030100 | JPN | Kanto | Ibaraki | -1 |


Integrated user interface of AIM/Impact-country

- User-friendly MS Visual Basic form similar to the AIM-Trend.
- The interface is used to complete a configuration file controlling data management tools, models, visualization tool.
- Configuration file can be edited manually, which enables complicated model simulation with batch programming by expert users.



Development schedule

- Draft version: September 2002.
 - First distribution: End of this year.
 - Presentation of preliminary assessments using AIM/Impact [Country] is expected at the AIM Workshop in March 2003.

 - Public distribution: ???
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A decorative graphic in the bottom right corner of the slide, consisting of several concentric circles of varying sizes and opacities, resembling ripples on water. The circles are centered around the word 'END'.

END