

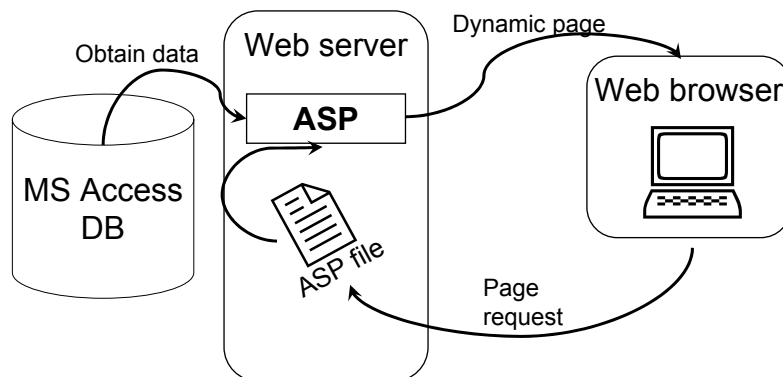
# Introduction of SEAWUN's Benchmarking Internet System

[www.seawun.org/benchmarking](http://www.seawun.org/benchmarking)

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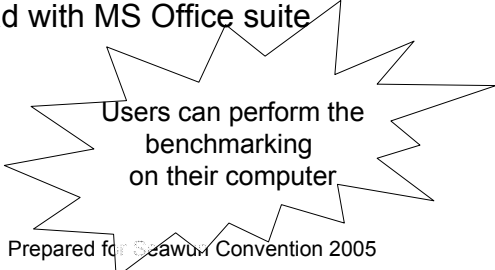
## Structure



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## Back-end database

- MS Access database:
  - Input forms: data entry locally
  - Tables to store data
  - Queries to perform analyzing
- Advantages:
  - Easy to use
  - Wide spread with MS Office suite



Users can perform the  
benchmarking  
on their computer

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## Web browser front-end: Data

- Base data of selected utility
- All performance indicators (included calculated) of selected utility
- Overall performance indicator (OPI) and ranking of selected utility
- Comparison the performance indicators of all utilities in selected country

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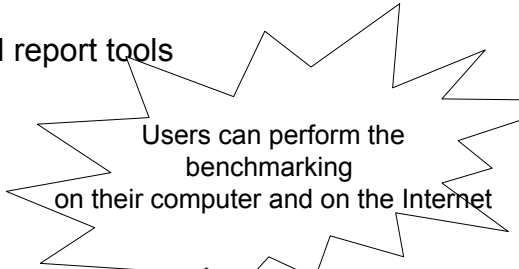
## Web browser front-end: Charts and Graphs

- Bar chart of selected indicator of utilities in selected country (with country average of this indicator)
- Bar chart of selected indicator of selected utilities (with overall average of this indicator of all utilities)
- Some informative graphs of participating utilities (top 5, indicators of utilities in big cities, selected base data of all utilities...)

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## Possible improvements for next phase

- Internet system:
  - Online data entry with user authentication and approval by SEAWUN's officer
  - More variations of data analyzing
  - More user interactivity
- Database:
  - Analyzing and report tools



Users can perform the benchmarking on their computer and on the Internet

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Thank you for your attention!

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