Interoperability of Agent-based Generalization with Open, Geospatial Clients



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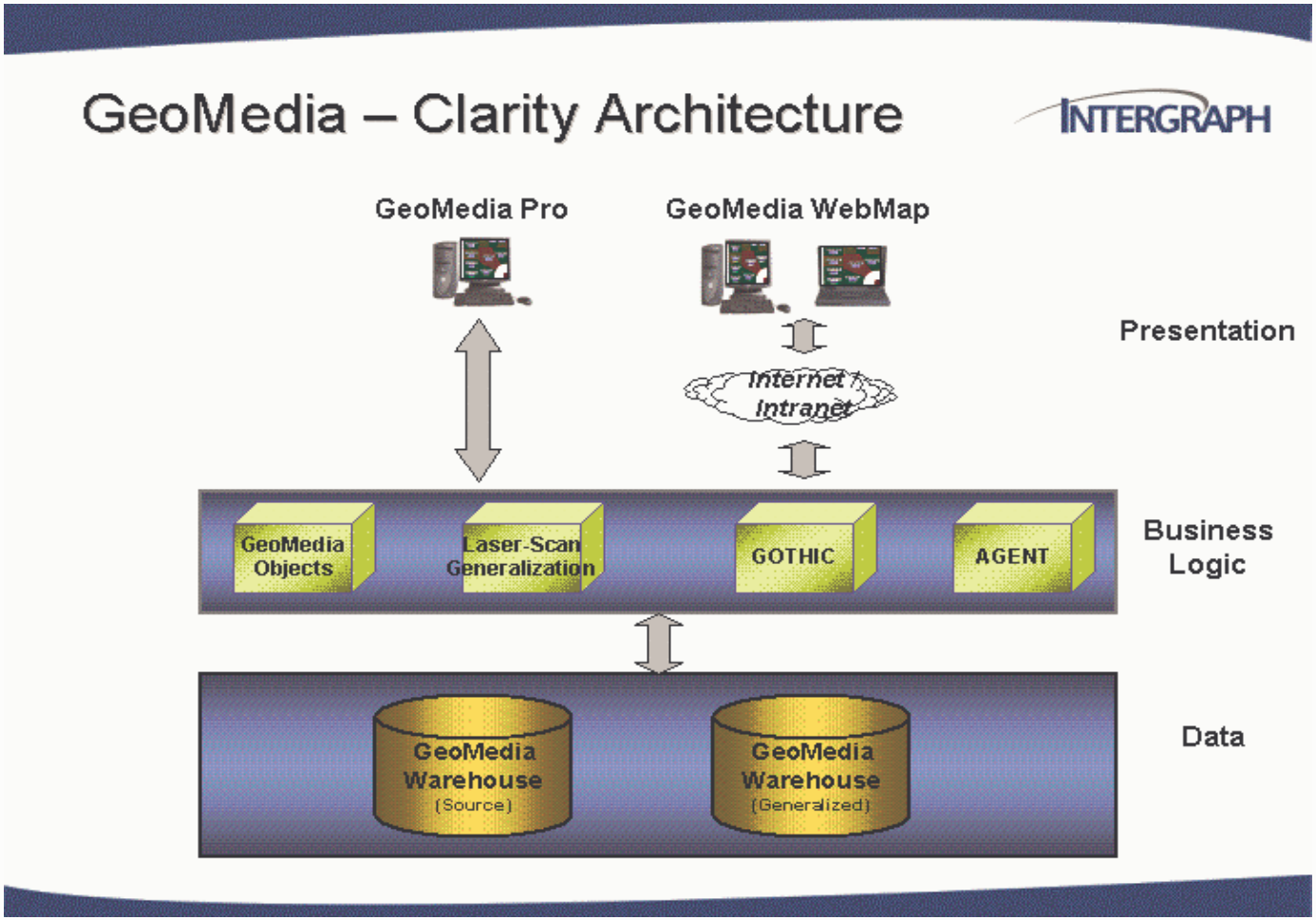
INTERGRAPH

Why a collaboration?

- Intergraph and Laser-Scan have agreed to collaborate on generalization solutions
  - Follow-on to the success of Laser-Scan's Radius technology and its seamless integration with Intergraph's GeoMedia using Oracle technology
  - Joint analysis of generalization requirements, Clarity, LAMPS generalization, and DynaGen functional capabilities
  - Similar interest in academic research in generalization
  - Similar pursuit of large mapping systems requiring:
    - Feature data at multiple scales
    - Generation of products at differing scales
    - Open architecture and geospatial standards

What will the solution look like?

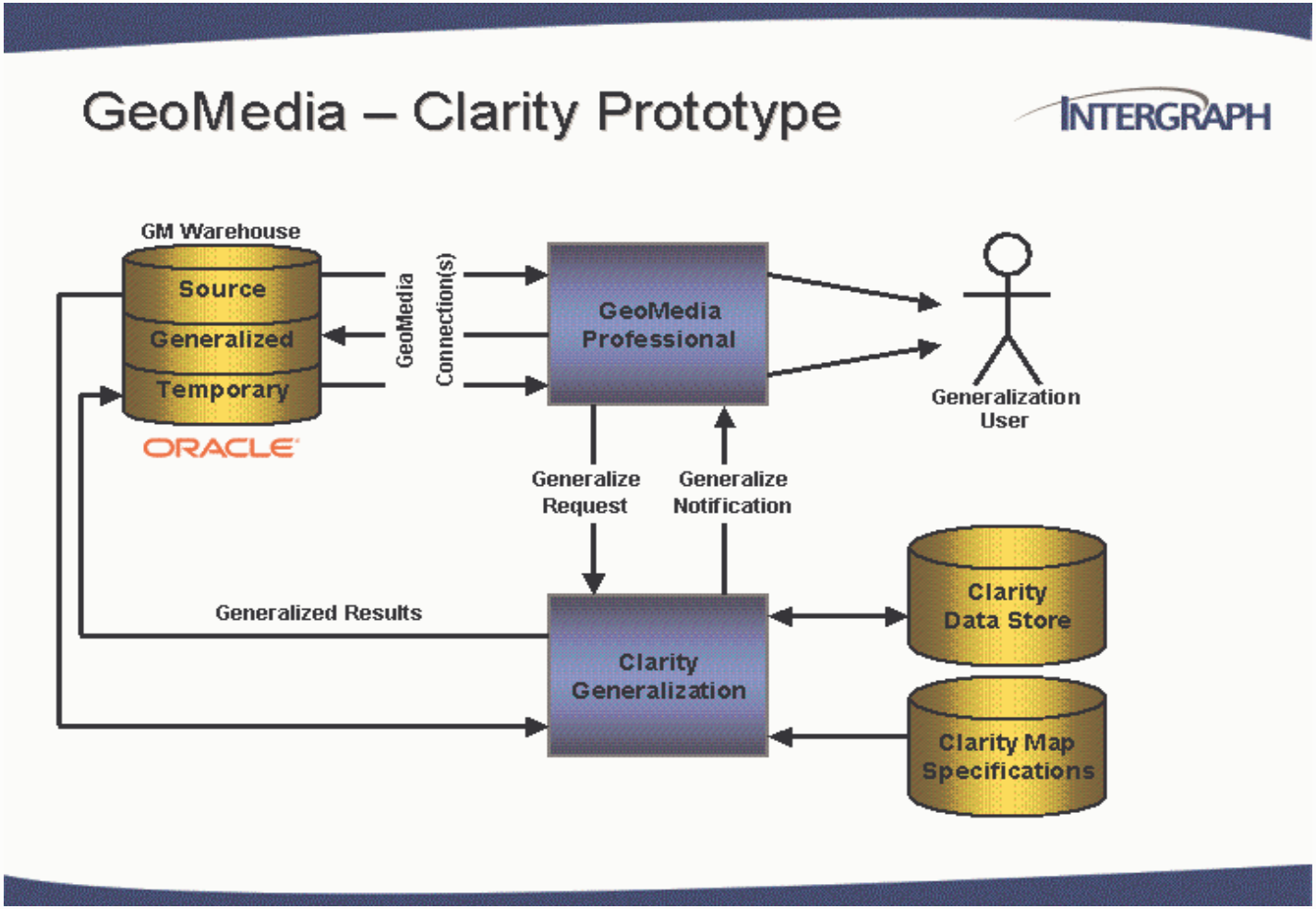


What are the benefits?

A combination of the strengths and knowledge of years of generalization research and development

- From Laser-Scan:
  - Agent-based research
  - MAGNET programme
  - Production oriented; high levels of automation
  - Highly customizable
  - Successful implementations of generalization
- From Intergraph:
  - DynaGen:
    - Wealth of algorithms
    - Tools-based approach
    - Dynamic, real-time feedback
    - Successful implementations of generalization
  - GeoMedia & GeoMedia WebMap:
    - OGC compliance; WMS, WFS
    - XML, GML, STL, SVG, etc
    - Data Access; Oracle & SQL Server
    - Web Services; COM and .NET

How will it be developed?



What are the goals?

- GeoMedia as the client for desktop and web access
- Laser-Scan technology as the generalization server
- Re-implementation of DynaGen algorithms within Clarity context
- Combine DynaGen's tools-oriented, dynamic feedback with Clarity/LAMPS' production-oriented and automation capabilities
- Provide a solution to satisfy the generalization requirements of national mapping agencies
- Provide a platform for the continuation of academic research

When can you expect it?

- It was needed yesterday ☺
- The sooner the better ☺
- There is already a demand ☺
- A prototype, in time for INTERGEO, we hope; certainly by the end of the year

Questions?