Aggregation protocols evolution analysis

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Project Area

- Protocols for information aggregation
- Data abstraction
- Separation of data representation and semantics
- Data portability

Leading protocols

RSS	ATOM
- 1997 - Many different version - Yahoo	- 2006 - Particular specification - Google

History and trends

- RSS 1.0 to 2.0 – Enclosures (transfer media)
- Comment Field (user interaction)
- RSS 2.0 to 3.0 ?

Aggregation Use Cases

RSS Readers

WidSets

Steps

- Detailed review of existing aggregation protocols
- Determination of their weak points and evolution trends
- Proposing of a novel protocol based on investigations done during previous steps
- Implementation of such protocol

Timeline ...

- Suggested time for this project is 6-8 months.

- Results will be presented at spring FRUCT seminar.

... and deliverables

- An article describing current state of subject area, weak points, trends and proposed protocol
- A technical implementation of server and client both using this protocol

Team

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- Alexey Koren, PhD student at SUAI

Thank you!

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