An introduction to the semantic web technologies

And their use within the **@Web** platform

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Outline of the presentation

- What's an ontology?
- RDF
- RDFS
- OWL
- SKOS
- SPARQL
- The n-ary relationship pattern used in **@Web**
- Examples of tables in scientific documents annotated using n-ary relationships in **@Web**

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if `example` is the default namespace.

RDF

A simple language for describing *annotations* about Web resources identified by URIs, from now on referred to as **facts**.

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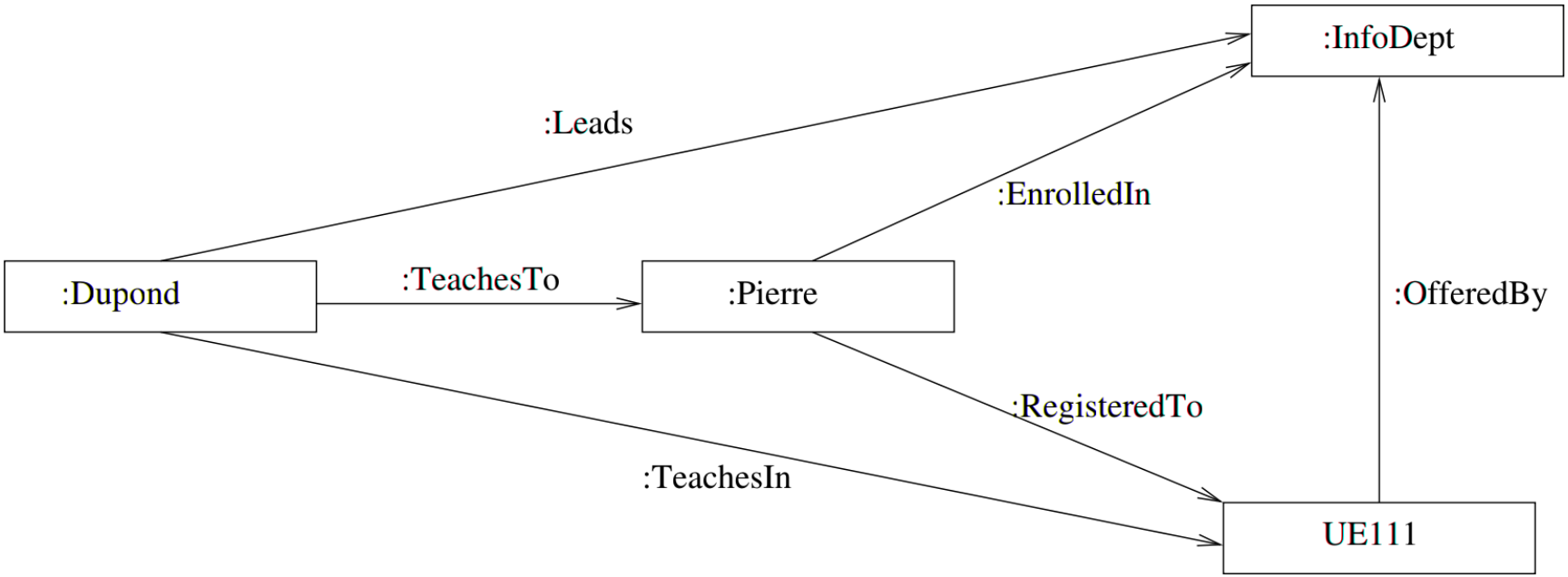
- $\langle$`:Pierre :RegisteredTo :UE111`$\rangle$
- $\langle$`:UE111 :OfferedBy :InfoDept`$\rangle$

RDF

Graph representation



⟨:Dupond :Leads :InfoDept⟩
⟨:Dupond :TeachesIn :UE111⟩
⟨:Dupond :TeachesTo :Pierre⟩
⟨:Pierre :EnrolledIn :InfoDept⟩
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However, we're going to focus on the abstract $\langle$`subject, predicate, object`$\rangle$ syntax during this presentation.

RDFS

Thanks!