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A Linked Open Data Pilot about Springer Nature conferences

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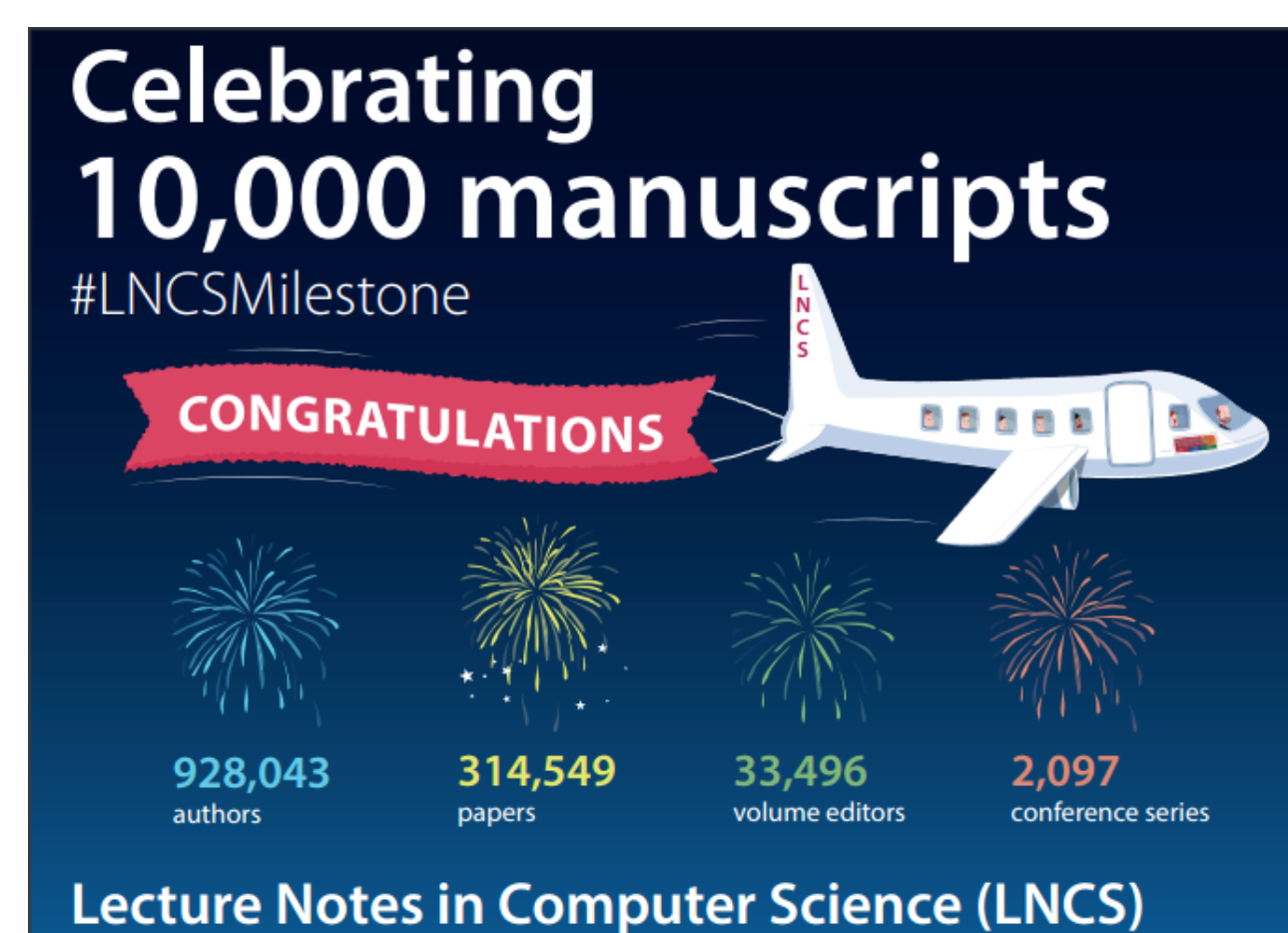


Motivation

Springer Nature publishes the proceedings of a huge amount of conferences.

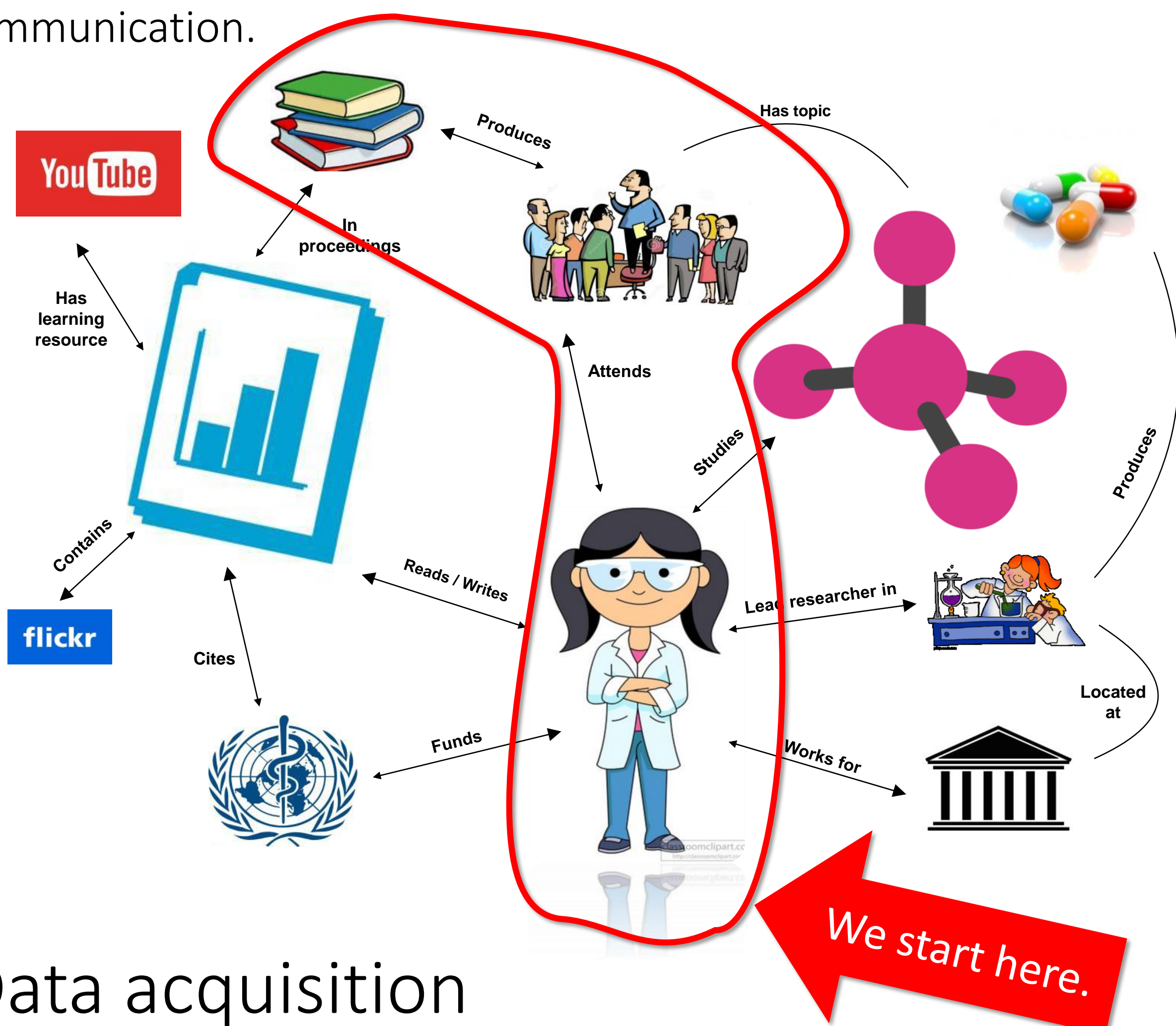
Yet they had no data about the conferences.

All was hidden in the titles of the proceedings.



Goal

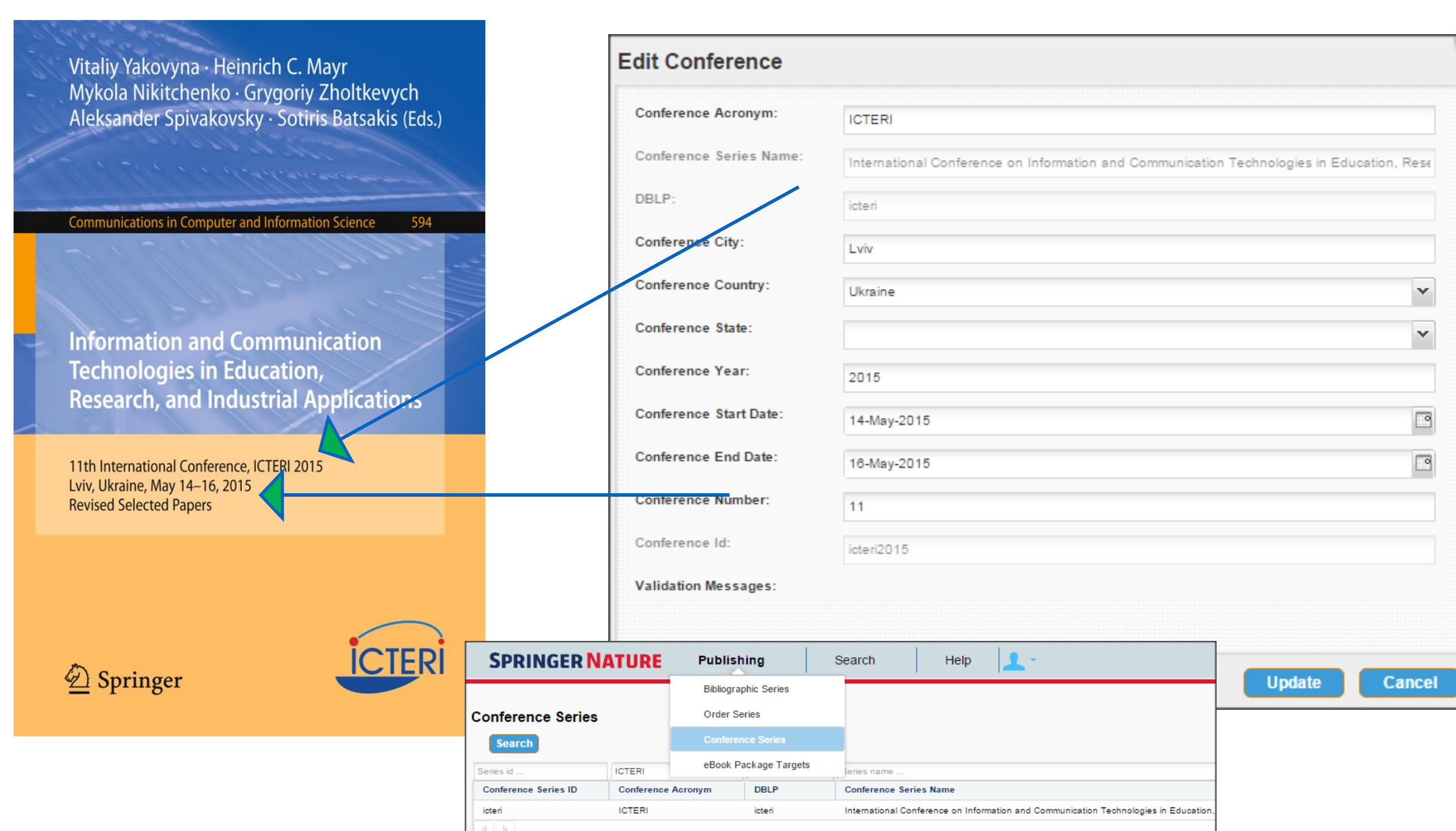
Moving from data about books to data about science and science communication.



Data acquisition

Semi-automated data extraction of conference data from existing proceedings of the LNCS series.

Adaptation of processes at Springer Nature, so that conference data is now maintained for all new proceedings.



More information available:
<http://lod.springer.com/>
<http://www.wisslab.org>

Main principles

- High-quality data provided directly by the publisher, integral part of existing workflows.
- Uniqueness of conference ID is guaranteed by design.
- The data is open – provided under CC0 1.0 (Public Domain): researchers are welcome to analyze, link to, etc.
- Providing conference info as Linked Data, as a part of the Web of Data enables easier access for:
 - indexing services,
 - libraries,
 - conf. management systems,
 - research evaluation agencies.
- SpringerNature is the first publisher providing metadata about conferences in a structured way.

More data, more links

The data is enriched in various sub-projects:

- Ranking information from different ranking providers.
- Information about the peer-review process.
- Program Committee members.
- Links to DBLP and other data providers.
- Collaboration with other publishers.

LOD Portal

via <http://lod.springer.com> all data is available for browsing, API access and download.

International Semantic Web Conference

URI: <http://lod.springer.com/data/conferences/semweb>

Property	Value
Conference series name	International Semantic Web Conference (en)
Has DBLP ID	<http://dblp.org/ontology/conference/semweb>
Type	Conference series

The Semantic Web – ISWC 2014

URI: <http://lod.springer.com/data/proceedings/semweb2014>

Property	Value
Proceedings volume EISBN	978-3-319-11964-9 (rdfs:literal)
Proceedings volume ISBN	978-3-319-11963-2 (rdfs:literal)
Book DOI	10.1007/978-3-319-11964-9 (en)
Book series acronym	LNCS (rdfs:literal)
Has conference	<http://lod.springer.com/data/conference/semweb2014>
Available at	<http://link.springer.com/978-3-319-11963-2>
Is indexed by Scopus	true (xsd:boolean)
Scopus search date	2015-10-30T10:11 (xsd:dateTime)
Proceedings volume subtitle	13th International Semantic Web Conference, Riva del Garda, Italy, October 19-23, 2014. Proceedings, Part I (en)
Proceedings volume title	The Semantic Web – ISWC 2014 (en)
Type	Proceedings volume
Proceedings volume number	8796 (xsd:integer)

Each resource is identified via a **Persistent URI** (resolves to the resource and remains valid over years)

Provides useful info, understandable for machines using open standards (RDF and SPARQL)

Can be linked to other resources in the LOD cloud (DBLP, ACM, IEEE)