

Researcher Web Portal concept based on Big Data: A proposal of an integrated web system to manage scientific research lifecycle

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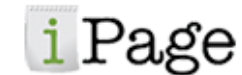
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- It is an integrated **web-based open source system** to manage the complete lifecycle of scientific research with information about the scientific work
- Customized Website for the Researcher
 - Personal Information
 - Curriculum / Professional Experience
 - Complementary Education
 - Scientific, Technological, Cultural Production
 - Research Groups & Projects
 - Orientations
 - Boards Participation
 - Lecture Material

Website builders



Content Management Systems

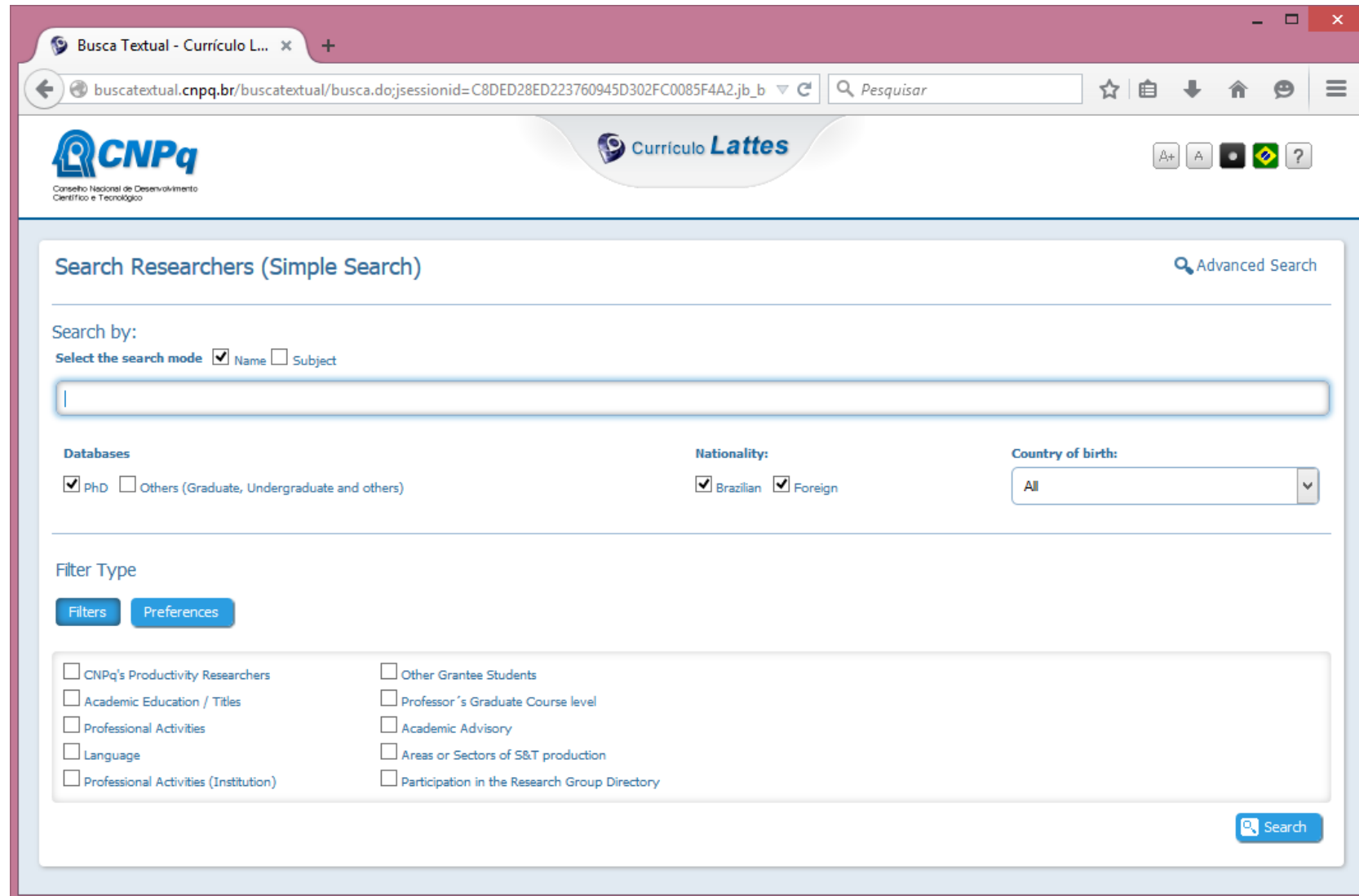


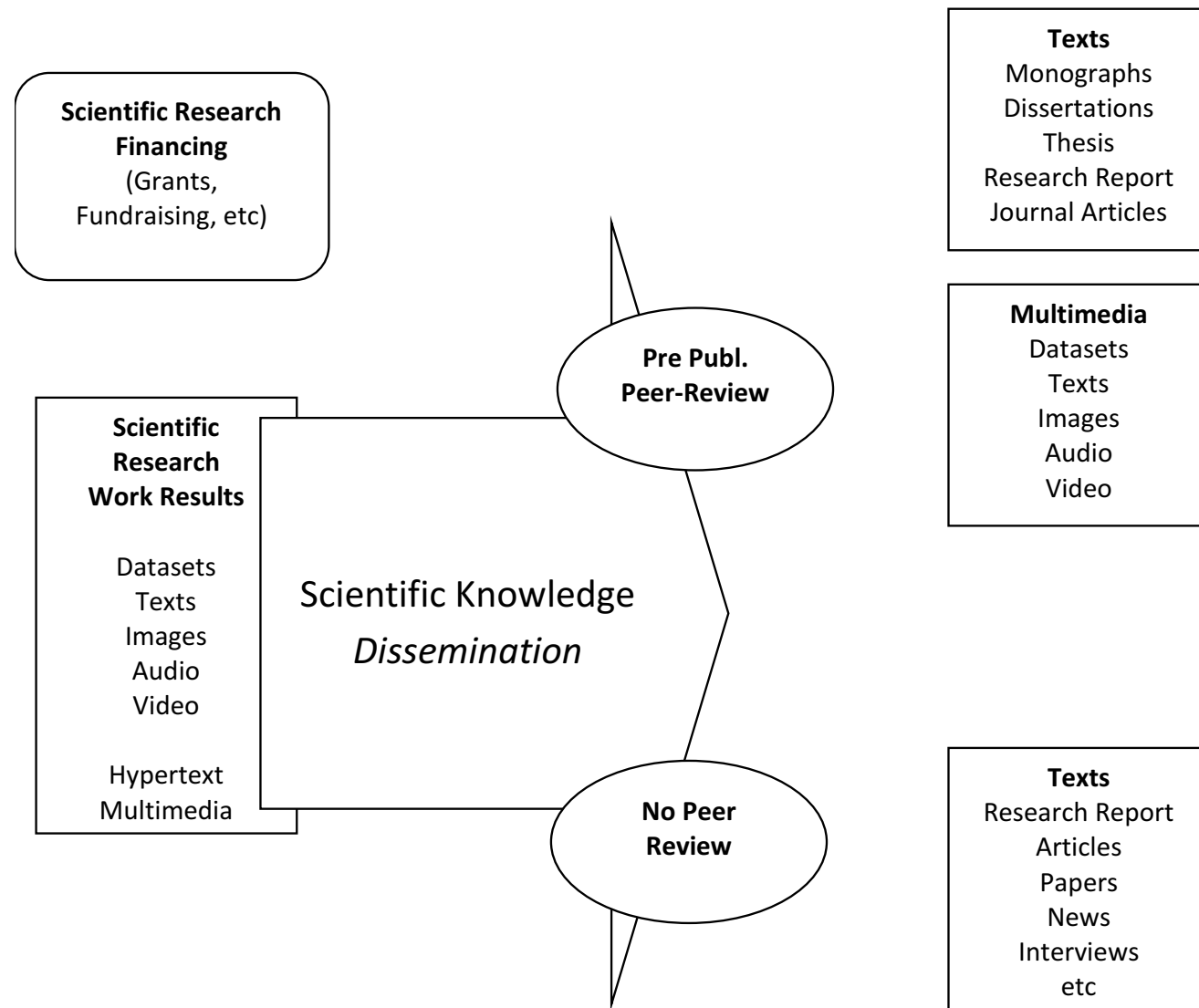
- Lattes

- Static - Does not have external links
- Government Pattern Layout
- Lack of complementary files

- Integration with Lattes CV System (CNPq)

- Mirroring
- CV Data Extration





Big Data

- volume (amount of data)
- velocity (speed of data)
- variety (range of data types and sources)

Able to:

- aggregate structured & unstructured data about research projects, groups, and related scientific production
- share research data (datasheets, images, videos)
- Web Crawler – to search related material on the web

- **Integration with other Social Networks**

The system will be integrated with already existing systems, virtual learning environments and social networks.

- **Web Responsive**

It should provide an optimal viewing experience to various content reading interfaces - information can be easily accessed on tablets, smartphones, and other handheld web devices.



The central contribution of the proposed system is the compilation in one custom website of open access files, data and all external connections to multimedia files and data about the researchers and their research projects.

Thanks

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