



4º Forum GDI

Um Café com Dados

Discussão sobre a aplicação dos princípios FAIR

FAIR

- Findable
- Accessible
- Interoperable
- Reusable



Motivações

- Reusabilidade
- Enriquecimento via anotação com qualidade
- Curadoria
- Redução do desperdício
- Destino dos dados negativos
- Crise de Reprodutibilidade em Ciência
- Ciência Aberta
- Educação

SCIENTIFIC DATA

OPEN

SUBJECT CATEGORIES

- » Research data
- » Publication characteristics

Comment: The FAIR Guiding Principles for scientific data management and stewardship

Mark D. Wilkinson *et al.*[#]

There is an urgent need to improve the infrastructure supporting the reuse of scholarly data. A diverse set of stakeholders—representing academia, industry, funding agencies, and scholarly publishers—have come together to design and jointly endorse a concise and measurable set of principles that we refer to as the FAIR Data Principles. The intent is that these may act as a guideline for those wishing to

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15 princípios FAIR (I)

To be Findable:

- F1. (meta)data are assigned a globally unique and persistent identifier
- F2. data are described with rich metadata (defined by R1 below)
- F3. metadata clearly and explicitly include the identifier of the data it describes
- F4. (meta)data are registered or indexed in a searchable resource

To be Accessible:

- A1. (meta)data are retrievable by their identifier using a standardized communications protocol
 - A1.1 the protocol is open, free, and universally implementable
 - A1.2 the protocol allows for an authentication and authorization procedure, where necessary
- A2. metadata are accessible, even when the data are no longer available



15 princípios FAIR (II)

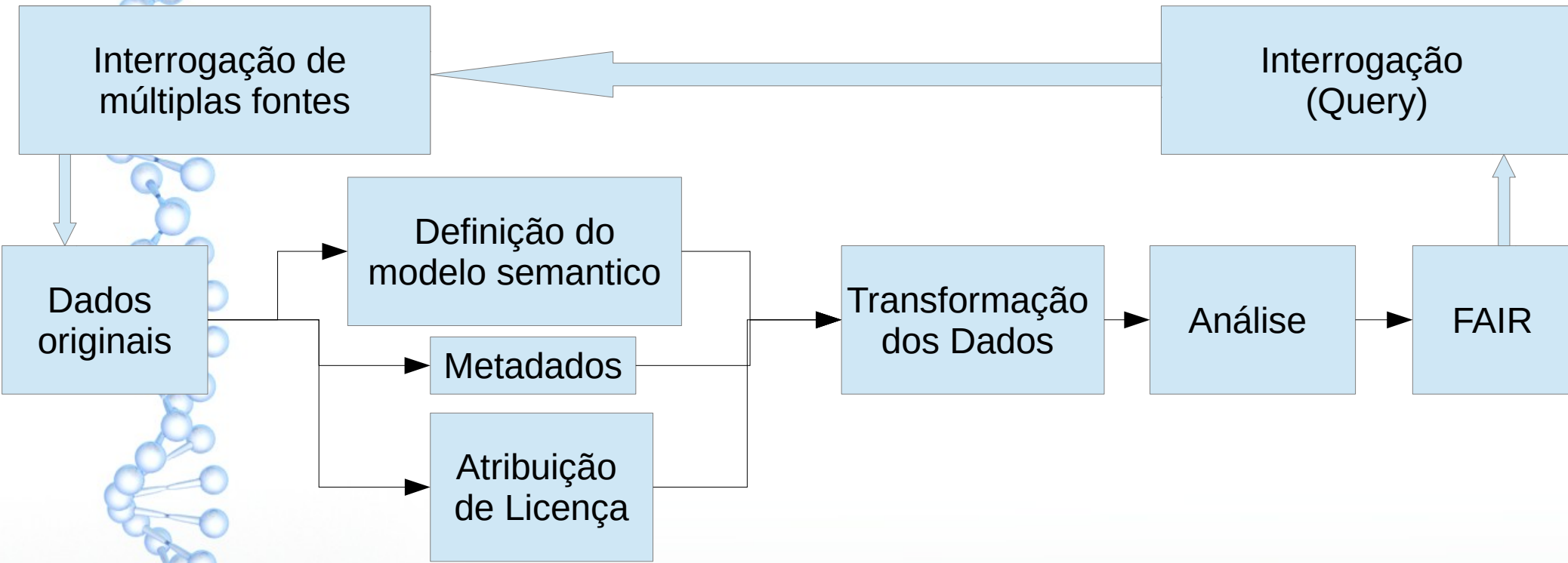
To be Interoperable:

- I1. (meta)data use a formal, accessible, shared, and broadly applicable language for knowledge representation.
- I2. (meta)data use vocabularies that follow FAIR principles
- I3. (meta)data include qualified references to other (meta)data

To be Reusable:

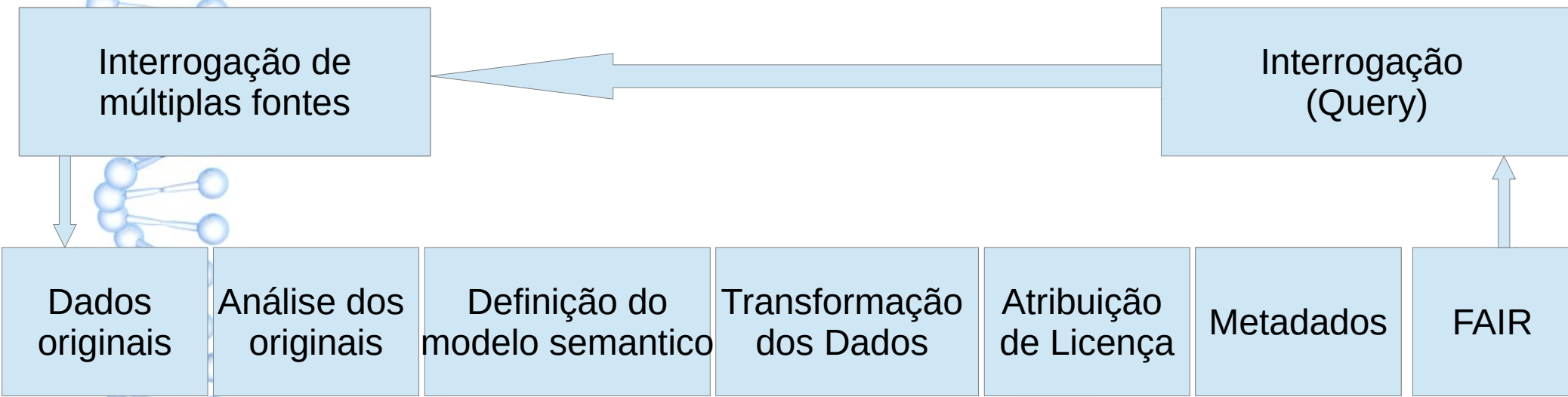
- R1. meta(data) are richly described with a plurality of accurate and relevant attributes
 - R1.1. (meta)data are released with a clear and accessible data usage license
 - R1.2. (meta)data are associated with detailed provenance
 - R1.3. (meta)data meet domain-relevant co

Transformação de dados novos para serem FAIR



Fonte: DTL, “How to make Data Fair” , ELIXIR meeting

Transformação de dados existentes para serem FAIR



Fonte: DTL, “How to make Data Fair” , ELIXIR meeting



Perguntas para discussão no Café

- Leia a lista de 15 princípios FAIR
- Identifique os que aplicaria sem hesitar
- Compare com a escolha dos colegas de mesa
- Nos outros, em que tem dúvidas, discuta-as
- Em cada mesa, liste os quatro mais difíceis de aplicar