

From Numbers to Narratives – The Broader Context of Impact

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Digital Science

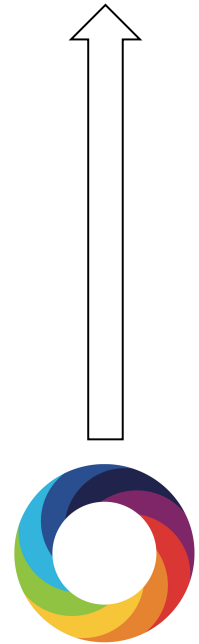
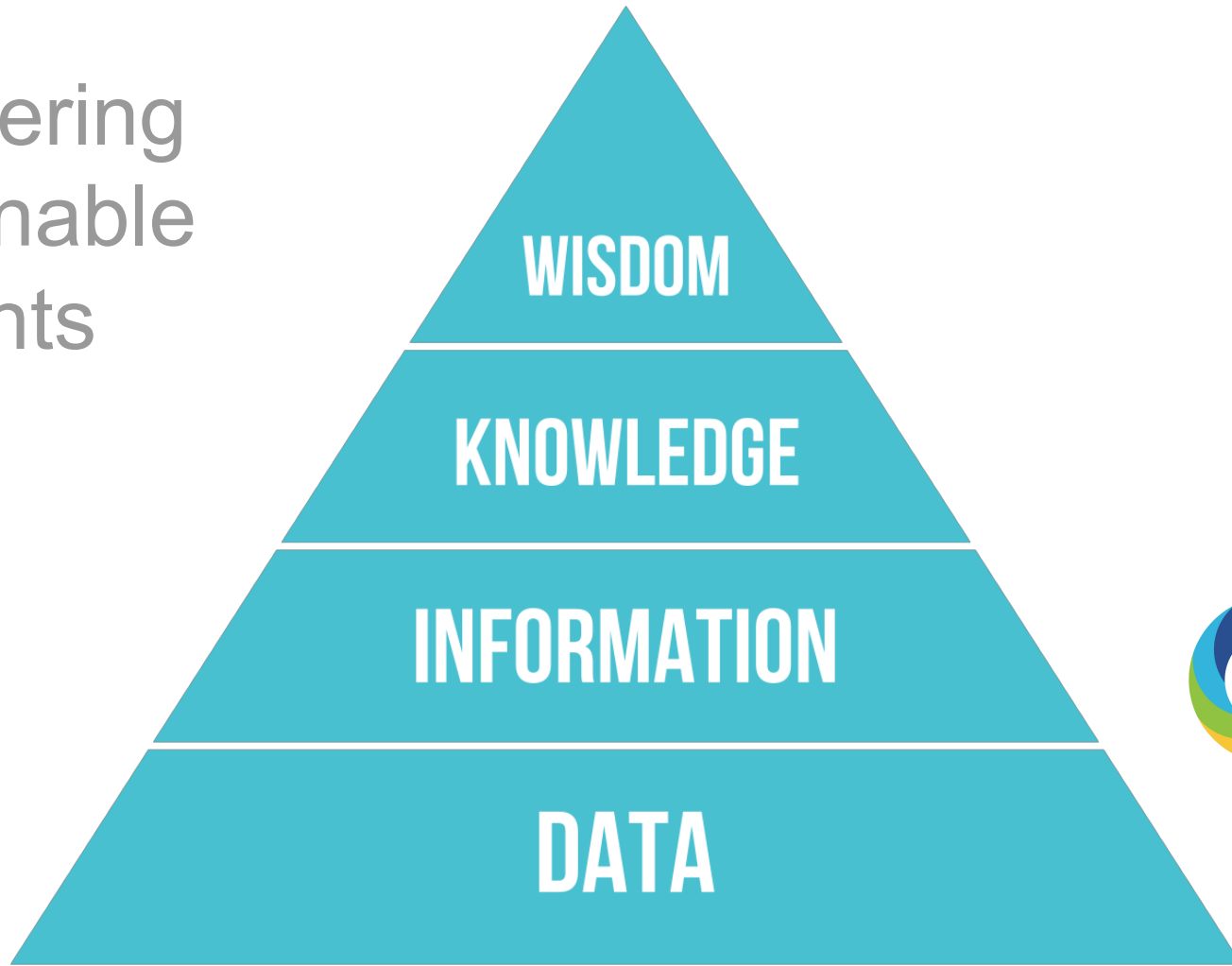
Head of Metrics at Digital Science

- Working on Dimensions and Altmetric
 - Current work: normalization of altmetrics; very long term trends in altmetrics; corporate collaboration
- Three conferences: www.altmetricsconference.com; www.transformingresearch.org; www.latmetrics.com
- Two journals
- Projects with academic institutions
- Working towards PhD

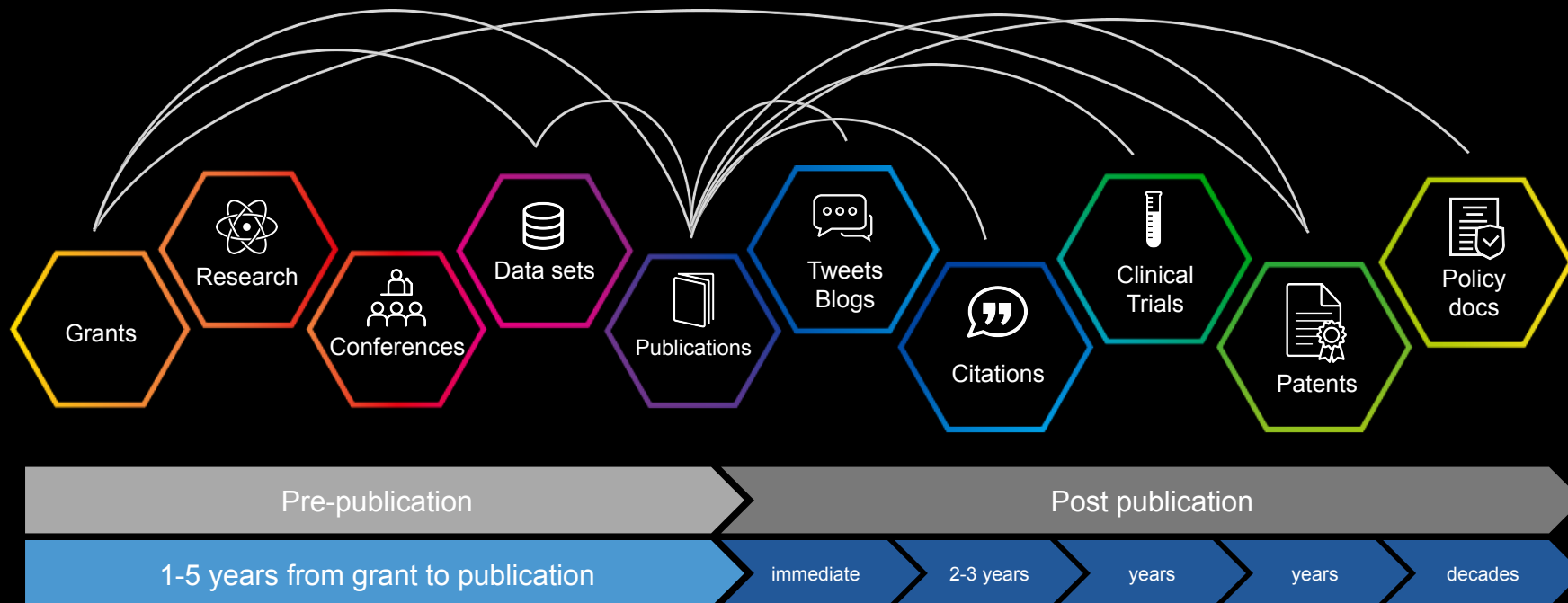
Research evaluation is not telemetry, numbers are not absolute

- The systems that we have were not built “to measure”
 - The data is partial, has bias
 - Always approximate and dynamic
 - Requires context and interpretation
-
- Qualitative analysis can bridge the quant gaps
 - Narratives make for compelling evidence

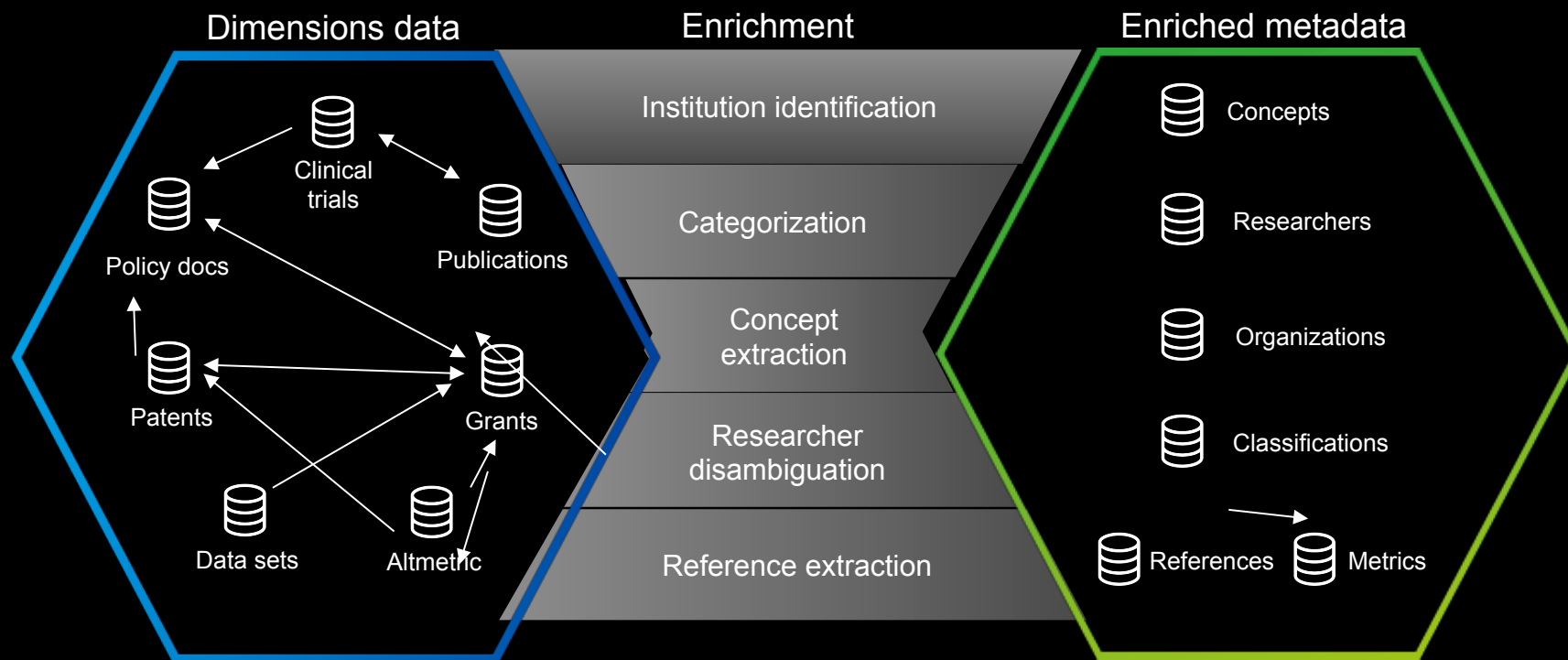
Delivering
actionable
insights



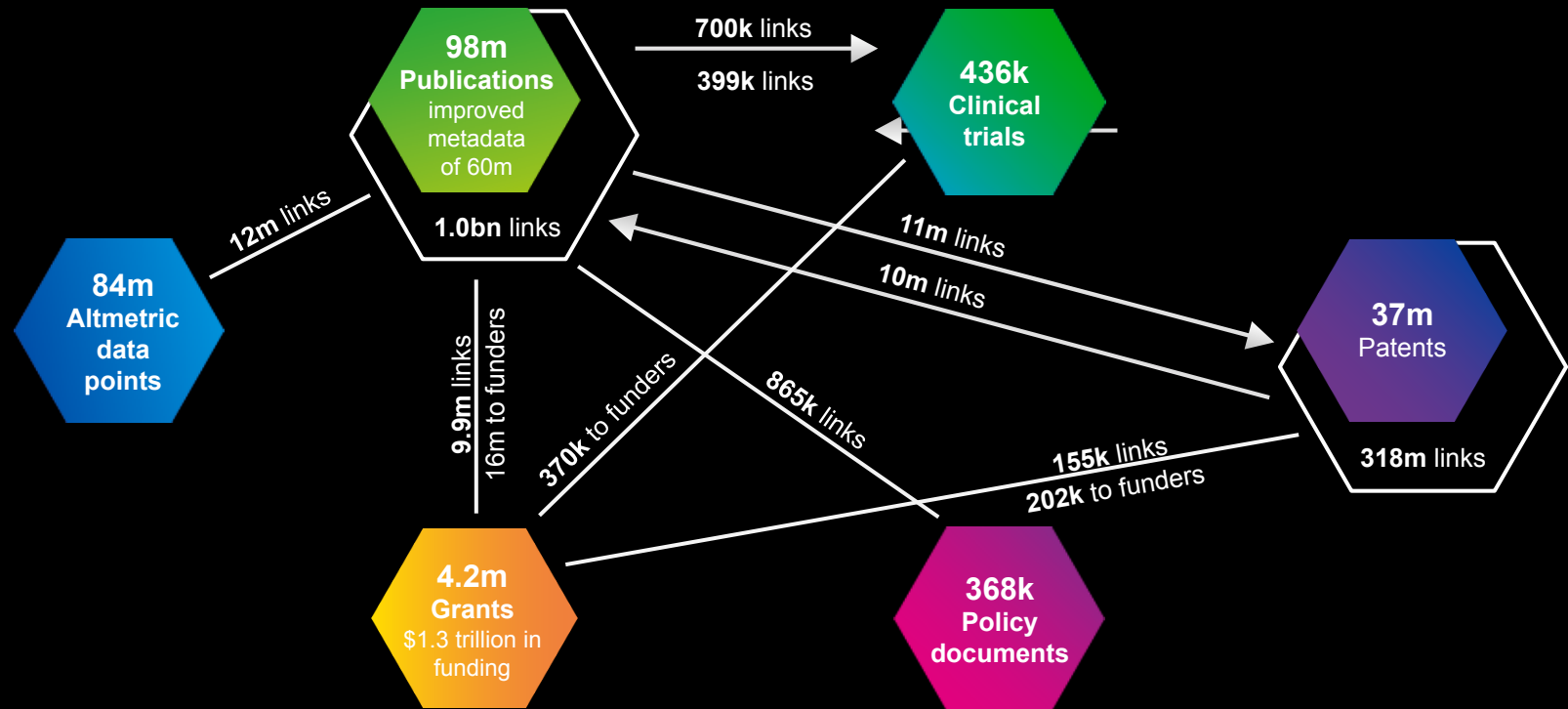
The broader context: data integrated in a single system



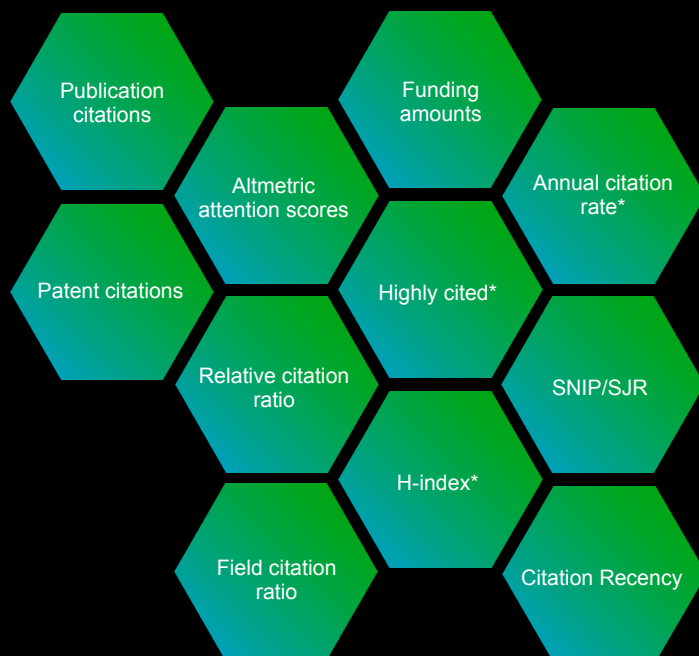
Dimensions: Enriched and interlinked – a modern approach to research data management



The data and links driving Dimensions...



The metrics in Dimensions - close to the data...



...with an invitation to the bibliometric community to do research on innovative metrics on the Dimensions data and tool platform since Digital Science does not want to impose new metrics

* planned for future release

Dimensions application overview

Dimensions

Free

- More than 97M publications
- More than 1 Billion citations
- Context to grants, patents and trials on article level
- Free to use at no cost for individual researcher
- Download 500 records
- Article-level Altmetric data

Dimensions

Plus

All 'Dimensions' and ...

- Additional databases
For research grants, Patents and trials fully integrated and searchable
- Download 5,000 records
- SSO
- Full Altmetric badges/
aggregated metrics

Dimensions

Analytics

All 'Dimensions Plus'¹⁾ and ...

- Workflow support for funder / publisher (reviewer identification and management, coding support)
- Download 50,000 records
- Additional analytical views
- Additional filters

Dimensions

APIs

Search/analyze

Full flex data analysis with domain specific search language

Data

Feed for internal systems

Access OA articles

Access OA publications

Anywhere Access

Access open access publications and full text licensed by university

beta

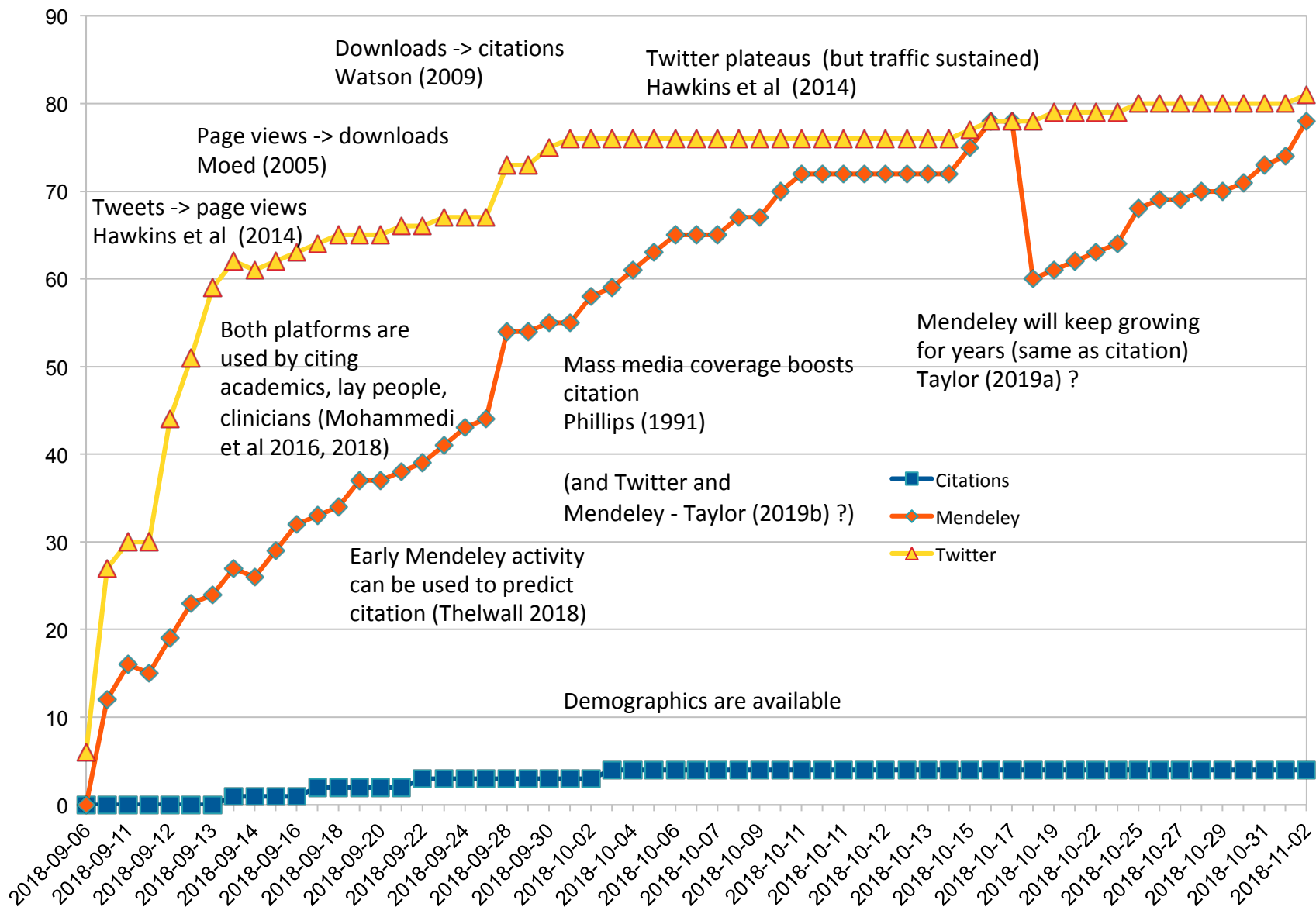
Enrichment APIs
(to be used in custom implementations)

Citations: Dimensions Badges and Metrics API - openly available

Custom implementations / Consultancy services using Dimensions data and tools

¹⁾ Full Altmetric badges/aggregated metrics for academic institutions or Altmetric EFI license - otherwise article-level Altmetric badges

What do we know about altmetrics? 2 months “reverse RANKL”



The case of zika – a demonstration

1) Dimensions (free), 2) Dimensions (plus), 3) Altmetric (if we have time)

Interest over time ?



Google search trends: Dengue (blue) versus Zika (red)

Demonstration

- 1) Dimensions (free) – <https://app.dimensions.ai>
 - Search, discover, analyse
- 2) Dimensions (plus) – <https://app.dimensions.ai>
 - Walking through a research story from grants, publications, patents, policies discovering the full scholarly context
 - API showing connected data