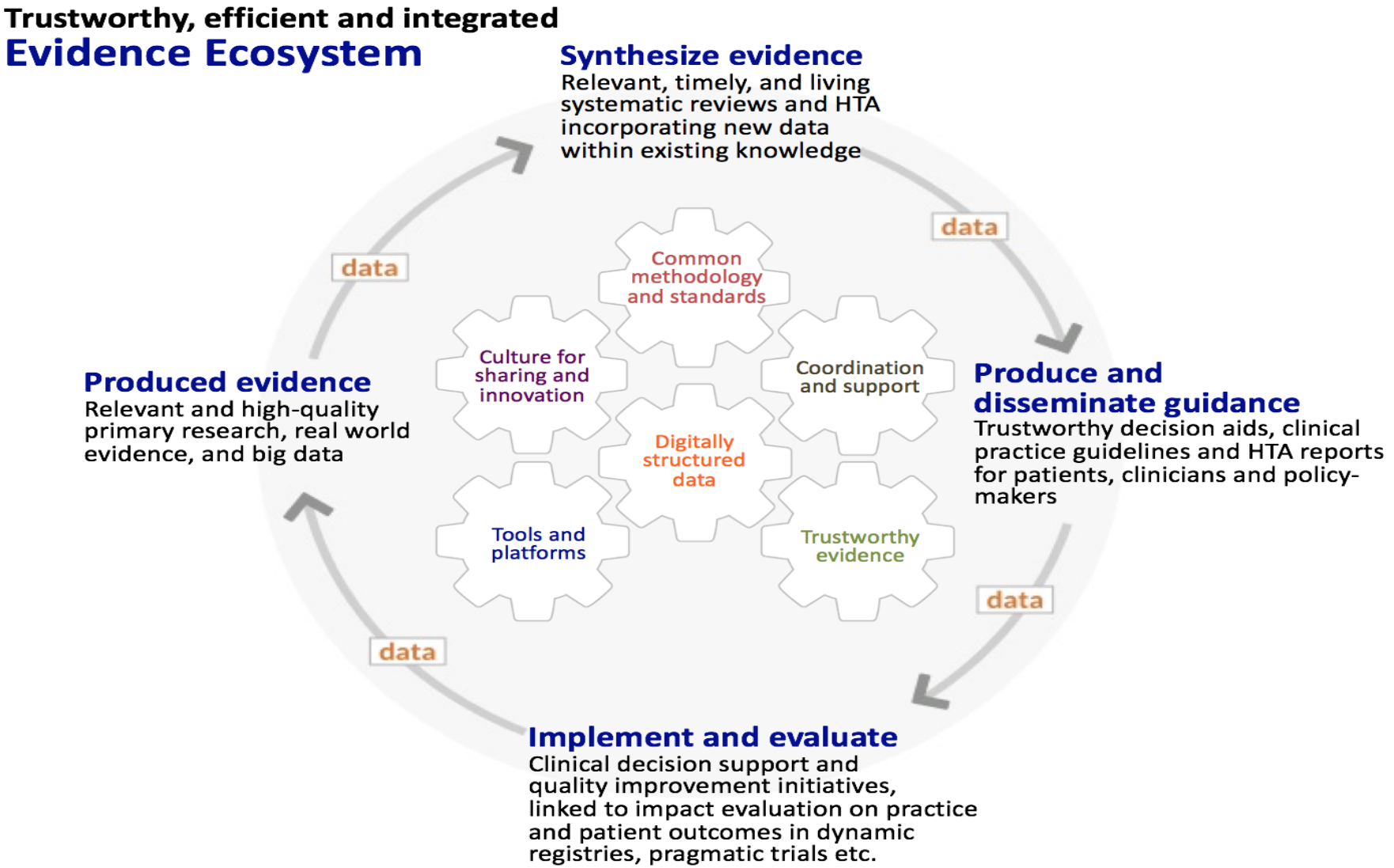
Session 1: Facilitating review and data reuse across the research ecosystem

Panel discussion and questions

Invited speaker: Brian Alper
Computable Publishing LLC, USA

Cochrane

Interoperability in the Evidence Ecosystem



Vandvik PO, Brandt L. Future of Evidence Ecosystem Series: Evidence ecosystems and learning health systems: why bother? *Journal of Clinical Epidemiology.* 2020. https://doi.org/10.1016/j.jclinepi.2020.02.008

Healthcare Knowledge Ecosystem Today

Healthcare Knowledge Ecosystem Desired

EVIDENCE

Data Analysis, Synthesis, and Interpretation.

GUIDANCE

Guidelines, Recommendations, Decision Aids, Decision Support

DATA

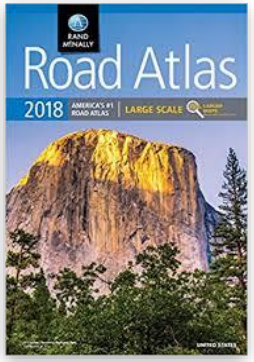
Observations and Measurements.

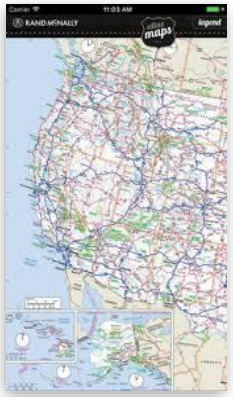
ACTION

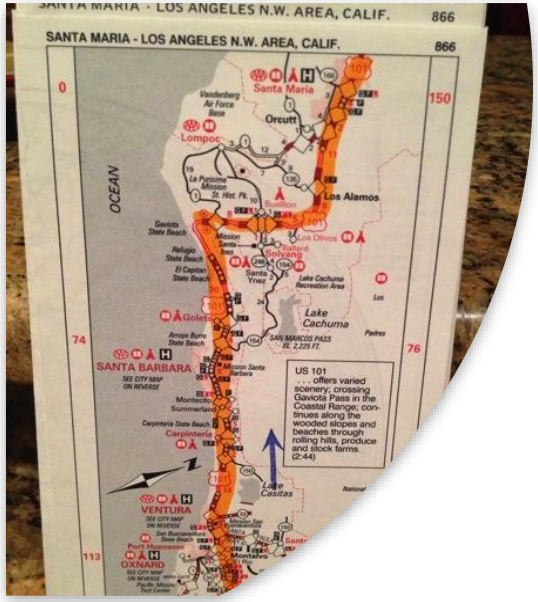
Healthcare (testing and intervention) decision-making and implementation

Location Knowledge – Societal Evolution

PRINT

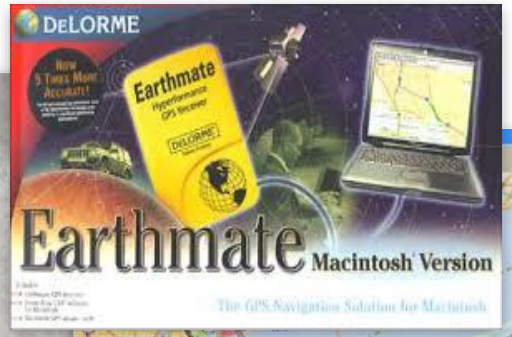


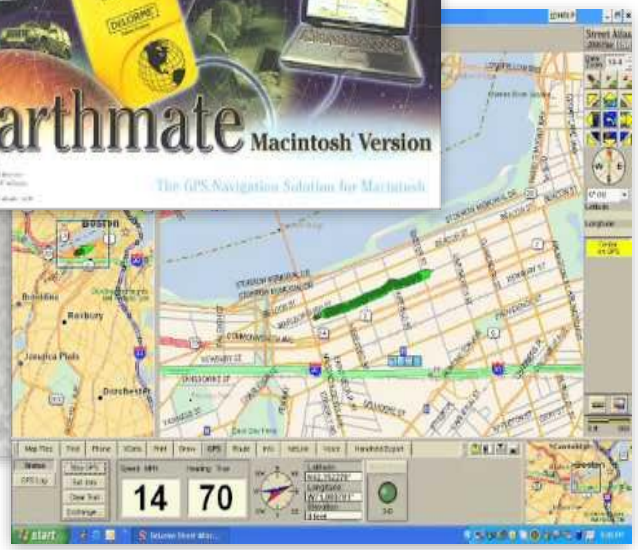




DIGITAL

EXECUTABLE





COMPUTABLE

Guidelines and Scientific Knowledge

PRINT

Familiar, conceptually organizing much of our workflow

Sharable Value Unit
Physical object, a relatively large unit for sharing many knowledge bits in one container

DIGITAL

Current PLATFORM for dissemination

Sharable Value Unit
Digital object (like a PDF), a relatively large unit for sharing many knowledge bits in one container

EXECUTABLE

Many specific software tools, but each tool limited to local execution

Sharable Value Unit
Small digital object (micro-content), but within the constraints of the executable environment

COMPUTABLE

Widely interactive, interoperable, integrated possibilities – PLATFORM of the near future

Sharable Value Unit
Small digital object, enabling contextualized selection, customizable presentation, and reusable dissemination

Display in Cochrane style

Display in GRADEpro style

Display in MAGIC style

Display in EBMeDS style