Evidence based library and information practice

Denise Koufogiannakis
University of Alberta

British Columbia Research Libraries Group Lecture Series
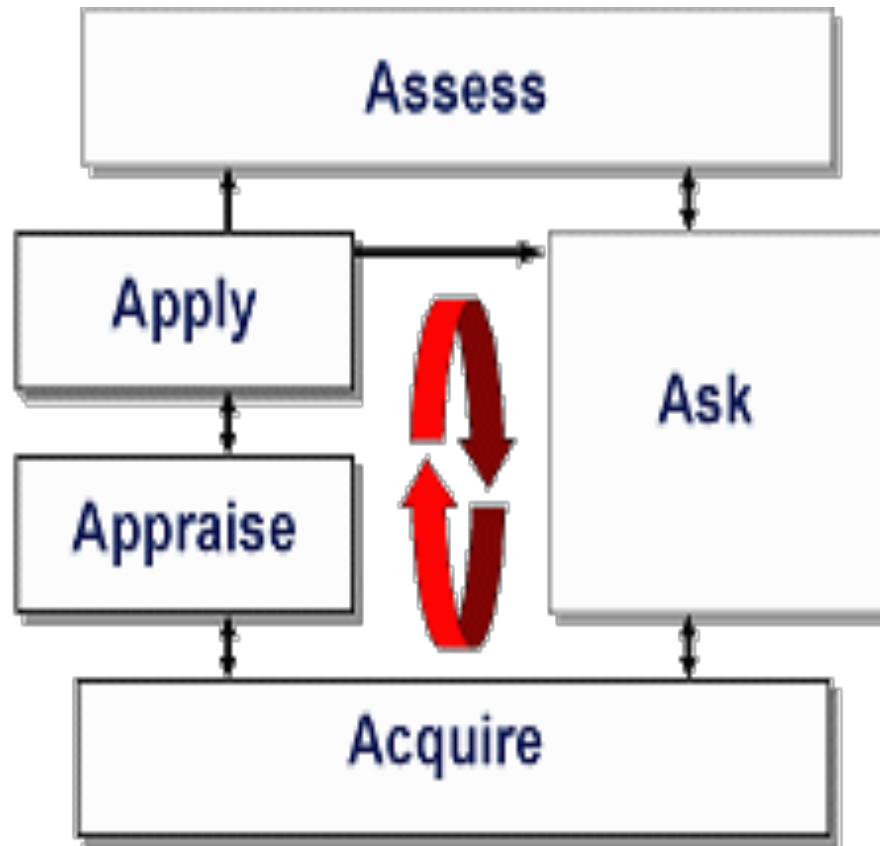February 7, 2014 | Vancouver, BC

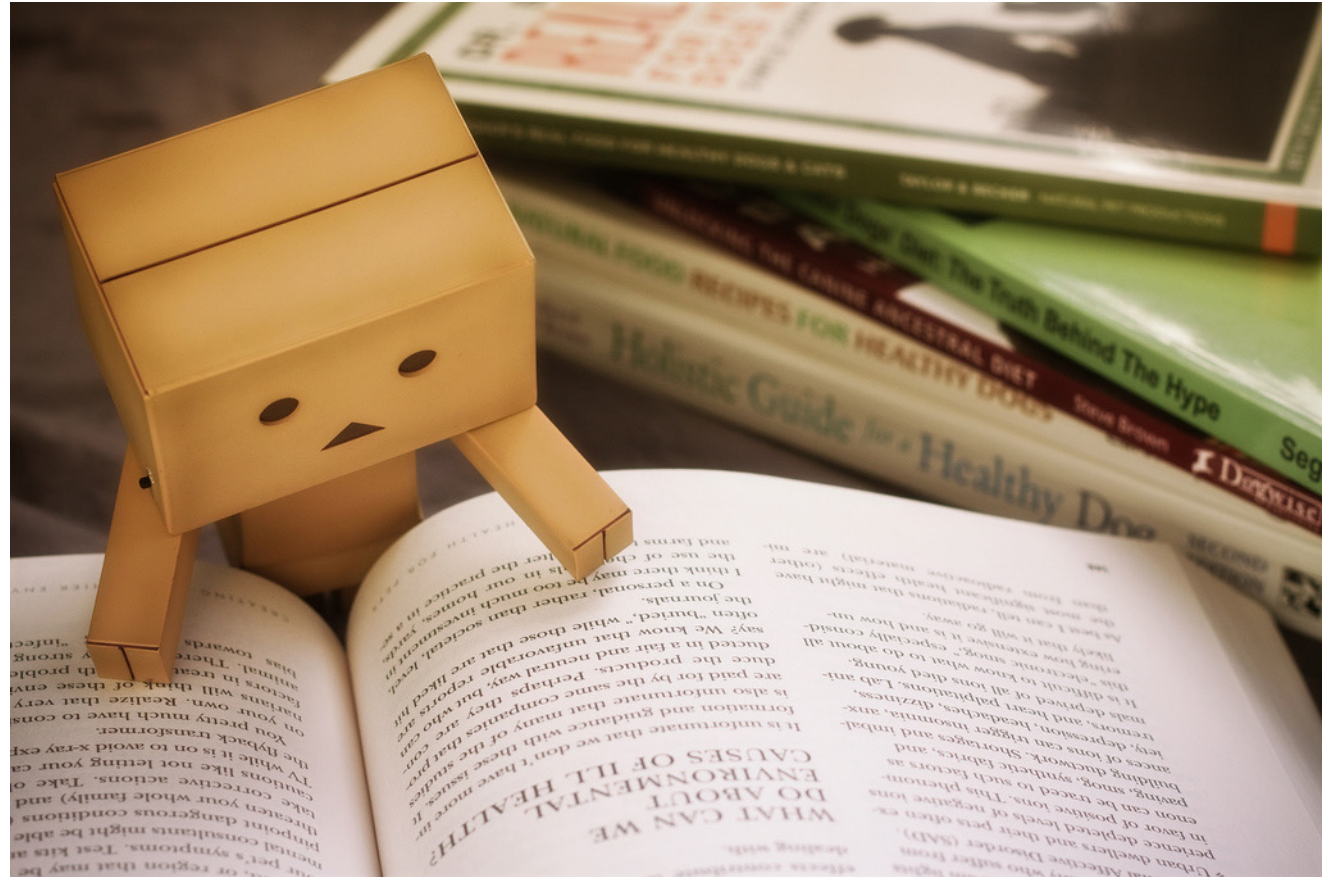# What is evidence based library and information practice?

"an approach to information science that promotes the collection, interpretation and integration of valid, important and applicable user-reported, librarian observed, and research-derived evidence. The best available evidence, moderated by user needs and preferences, is applied to improve the quality of professional judgements"

(Booth, 2000)

5A's of evidence based practice

(Hayward, 2007, http://www.cche.net/info.asp)

A focus on published research

RE THE EVIDENCE

Karipúna Kaxuiana Tacaneco Amahuaca Tahitan Cotoname Umotina Nooksack Parakaná Ahtna Monimbo Tupinambá Lillooet/St'át'imcets

Ka'pmux Kasapó Macá Lake Miwok Paranawat Potiguara Guasave Lengua Dogrib Vilela Eastern Swampy

Chilcotin/Tŝilhqot'in Canichana Whilkut Omejes Mandahuaca Akawaio Guasave Panobo Cowlitz Wayana Clatskanie

Záparo Matagalpa Lower Chehalis Curútana Caribiri Pankararú Mandahuaca Uru-eu-Uau-Uau Carib Shipibo Papavo Uru Nootka/Nu

Seneca Pakaánovos Carabayo Yanomamo Panamint Zapoteco Tunica Nanti Yana Nicola Amuzgo Lipan Yabaána Piapoco Chipaya

Aplacá Ojibwe/Anishinaabe/Chippewa Mojave Kanjobal Yámana Pankararé Xokleng Coast Miwok Rama Amondawa Kiowa Cree

Chákobo Purísimeño Iowa-Oto Nez Perce Guató Parecís Cashinahua Siona Guahibo Pericú Jova Woun Meu Krikati

Yukon Guayabero Kekchi Wo'loasi Tahue Huachipaeri Han Kansa Siona Koasati Anserma Pame Natagaimas

Tama Shoshone Alabama Sirianó Caddo Miriti Orowin Cayuse Bella Coola/Nuxalk Amikoana Yuqui Maratino Haisla

Aruá Puri Chiapaneco Baniwa Quinault Severn Oji-Cree Ute

Bidai Kadiwéu Macuna Toromono Remo Ona Naukanski Yupik Hopi

Cumeral Yawdanchi Yuracare

yeish Huichol Pianakoto Cinta Larga Krenak Mixteco

Orejón Kitsai Kuna

RE THE EVIDENCE

Machiguenga Fox Agavotaguerra Kamakan

Chortí Flathead Creek Kohoroxitari Jebero Múra Eastern Atakapa Culina Guana Havasupai Eastern Canadian Inuit Quileute

Huambisa Gabrielino Barasana Huasteco Gaviao Hupa Achuar-Shiwiar Bakairí Chamacoco Arik

Washoe Kiliwa Natchez Tewa Opata Cubeo Besawunena Fulnio Arabela West Greenlandic Garífuna Yuchi Auixiri Yavitero Erie

Machinere Siuslaw Achumawi Chulupí Achagua Wayluu Sipacapense Snohomish Purépecha Cofán Tohono O'odham Solano

Ineseño Paez Dakota Jicarilla Apache Kaiwá Chumashan Cogui Avá Huite Ipeka-Tapuia Asuriní Lummi Híbito

Abishiva Yuki Torá Mondé Hare Mobile Yucuna Naolan Yurok Hupde Kainaiwa Houma Powhatan

Nadeb Mapoyo Colorado Ignaciano Xiximé Atsahuaca Guajajára Coxima

Eastern Ojibwa Kunza Ponca Zoe Kaingáng Okanagan/Nsilxcín Tariano Cagua Columbian Guarayú

Ktunaxa/Kutenai-Kinbasket Puquina Xakriabá Inapari Chatino Heiltsuk-Oowekyala Chamicuro Txikao Columbian Xipináwa Cavine

Korubo Ipai Kambiwa Klamath Trinitario Apalachee Lenca Lancandón

Concho Cahto Guarijío Nomlaki Canela Nocoman Hidatsa

"the available body of facts or information indicating whether a belief or proposition is true or valid"

(Oxford Dictionary, 2011)

Properties of evidence

- Relevance
- Credibility
- Weight

(Schrum, 2011)

"*I'm clueless how to speak evidence*"

(Librarian 13)

Evidence Sources

Hard evidence	Soft evidence
Published literature	Input from colleagues
Statistics	Tacit knowledge
Local research and evaluation	Feedback from users
Other documents	Anecdotal evidence
Facts	
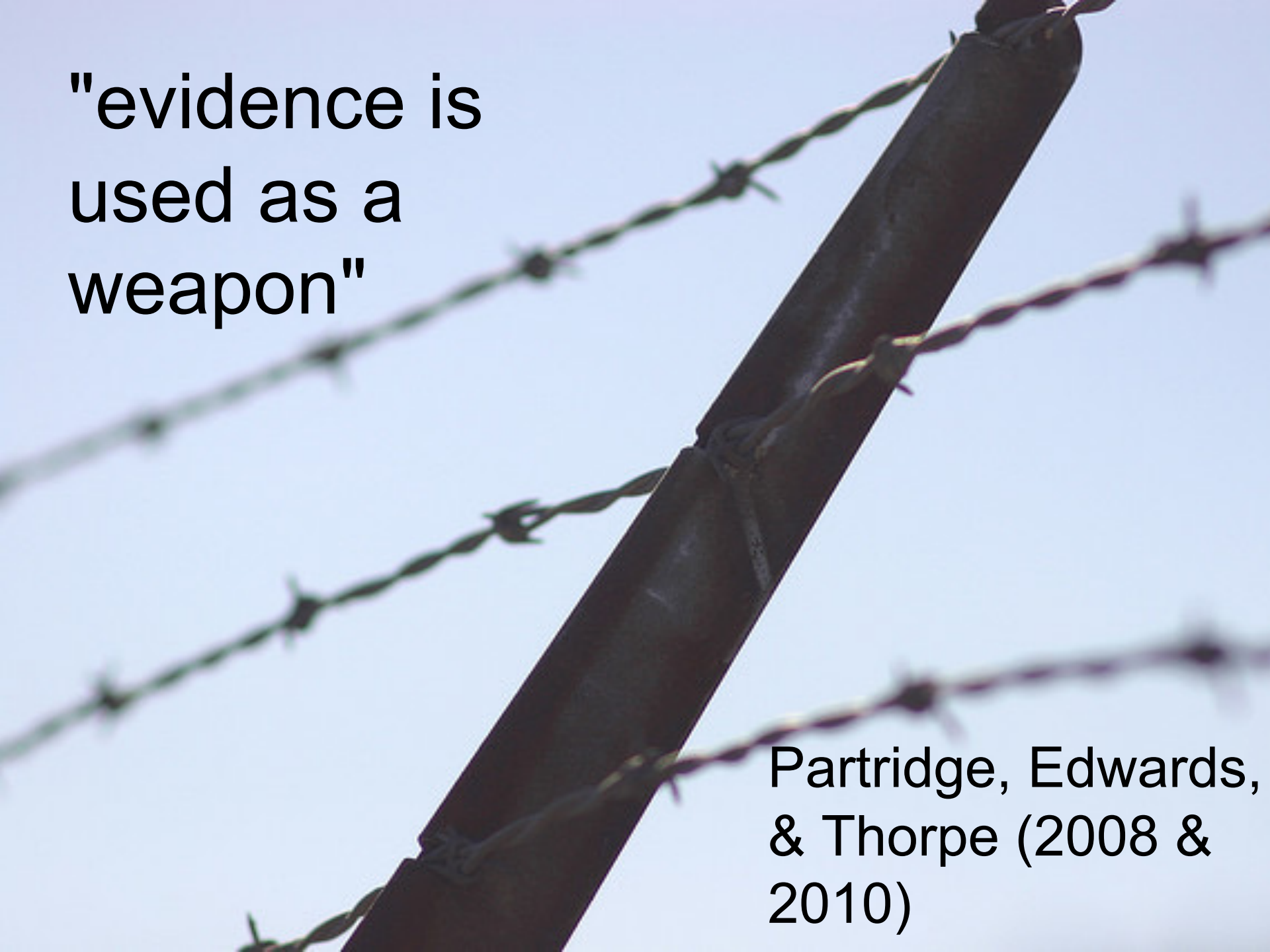
how do librarians use evidence?

The concept of convincing
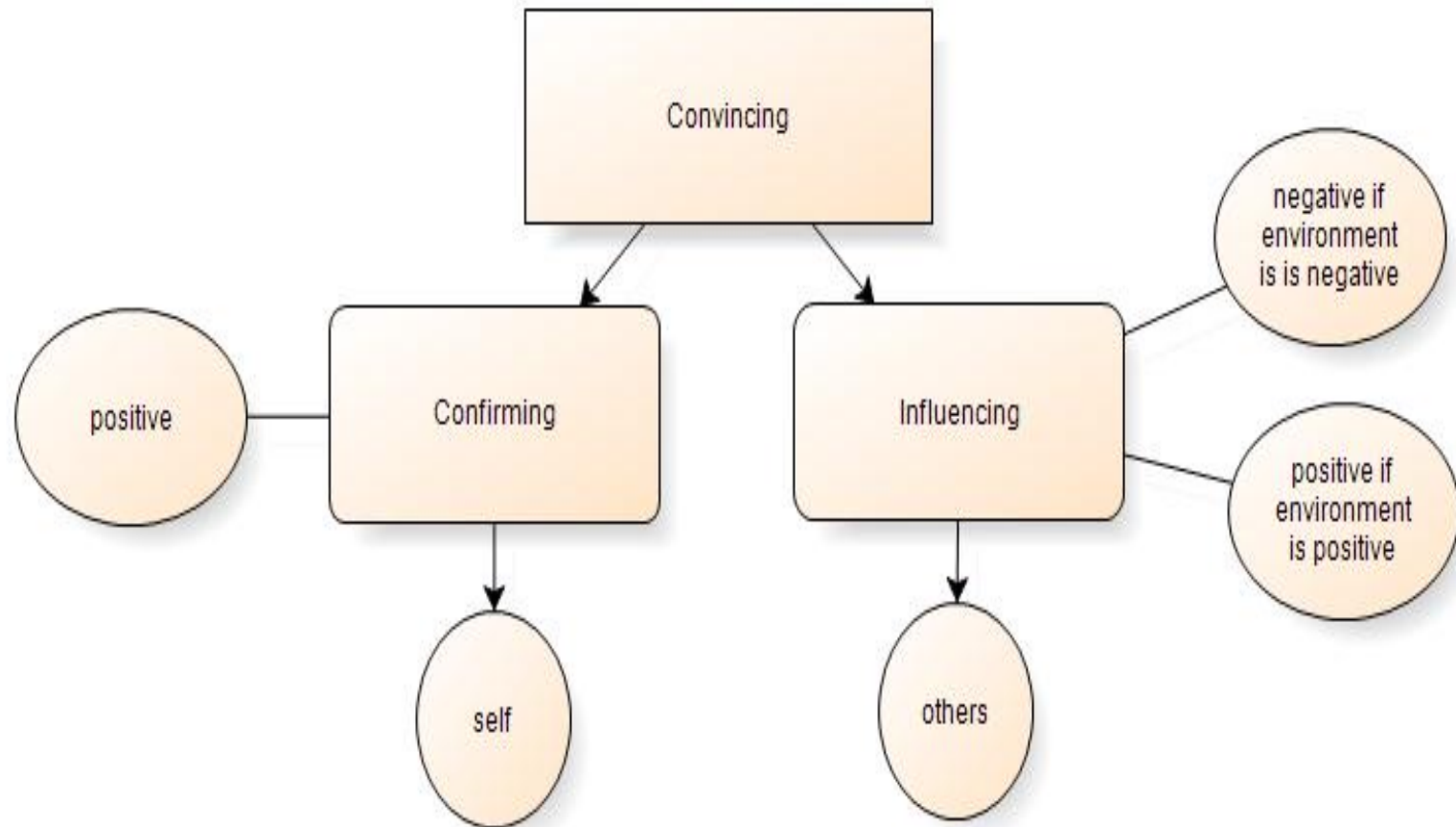
"evidence is used as a weapon"

Partridge, Edwards, & Thorpe (2008 & 2010)

Importance of the work environment

Bias
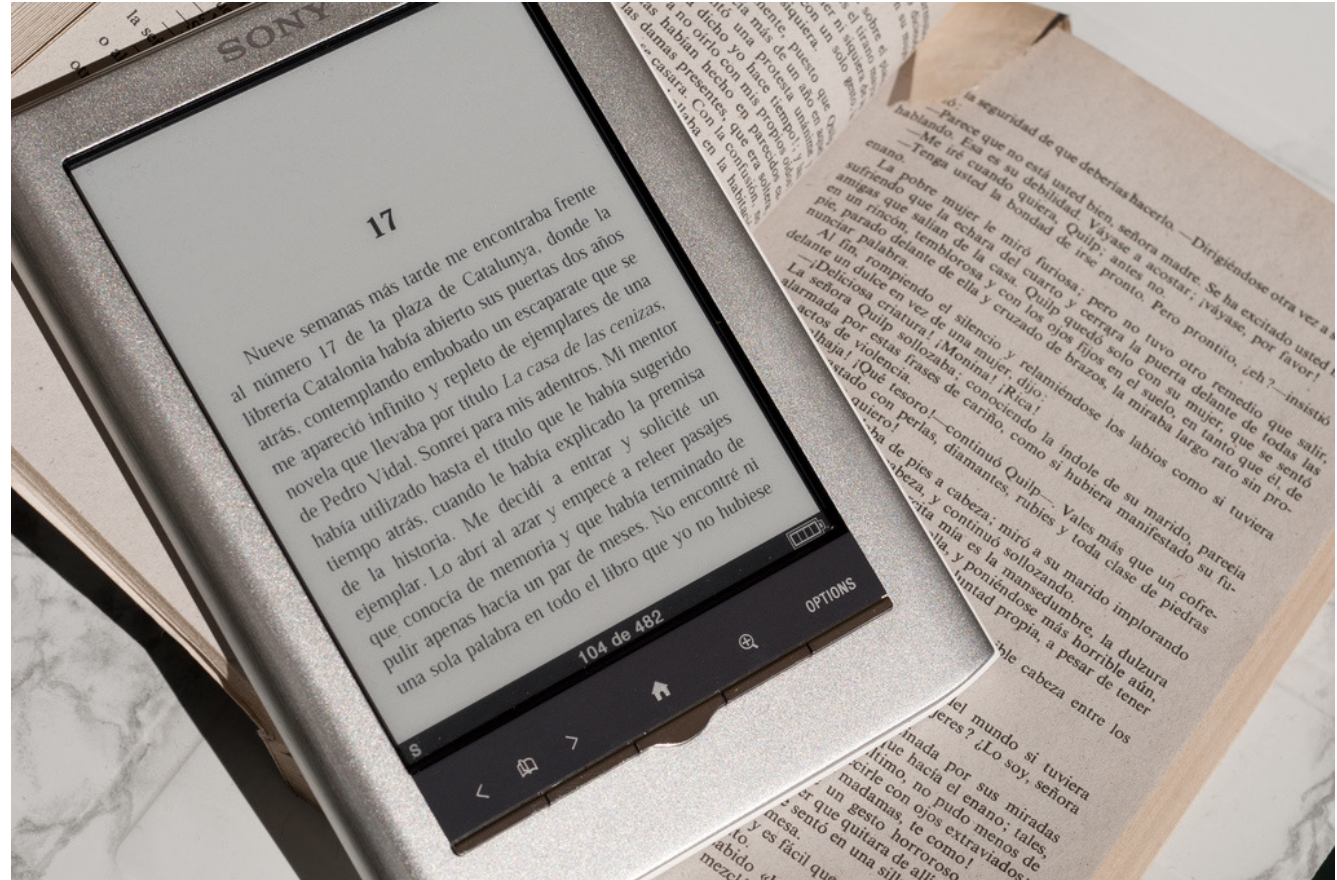
An amended model (based on Booth, 2009)
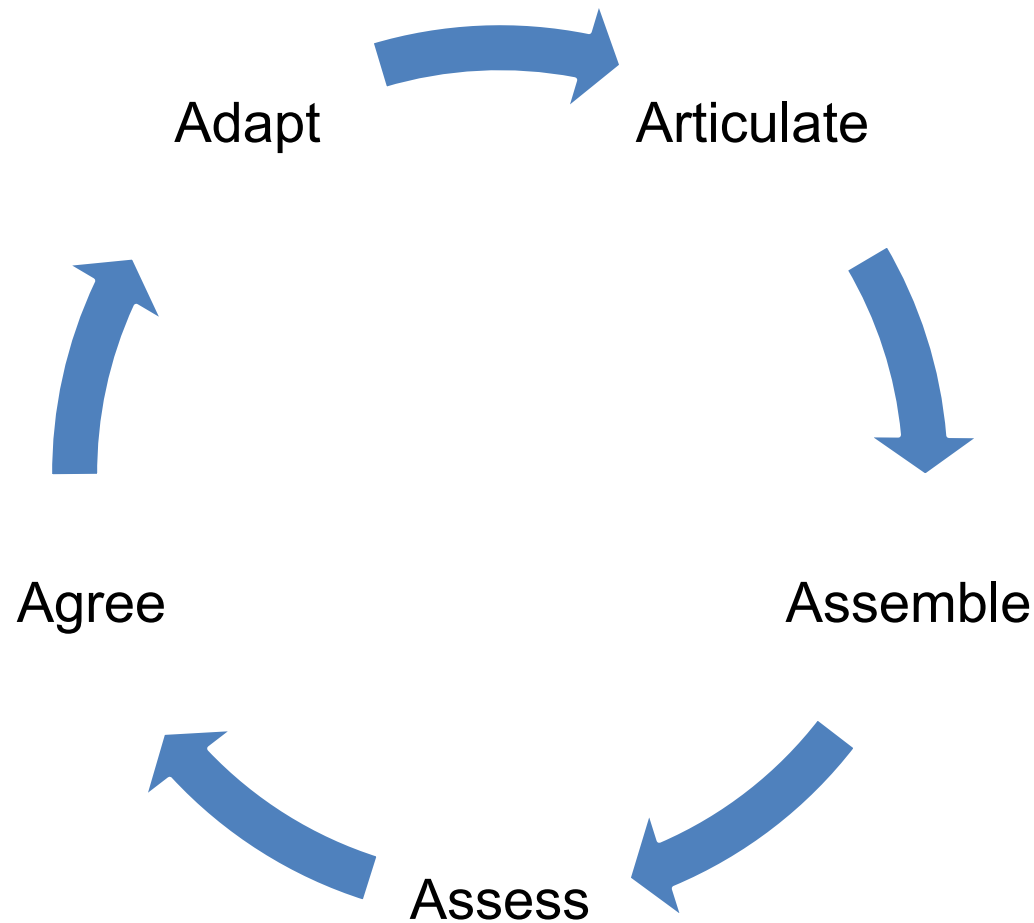
Articulate

Assemble

Systematic reviews

http://lis-systematic-reviews.wikispaces.com

Evidence summaries

http://ejournals.library.ualberta.ca/index.php/EBLIP

Assess

Agree
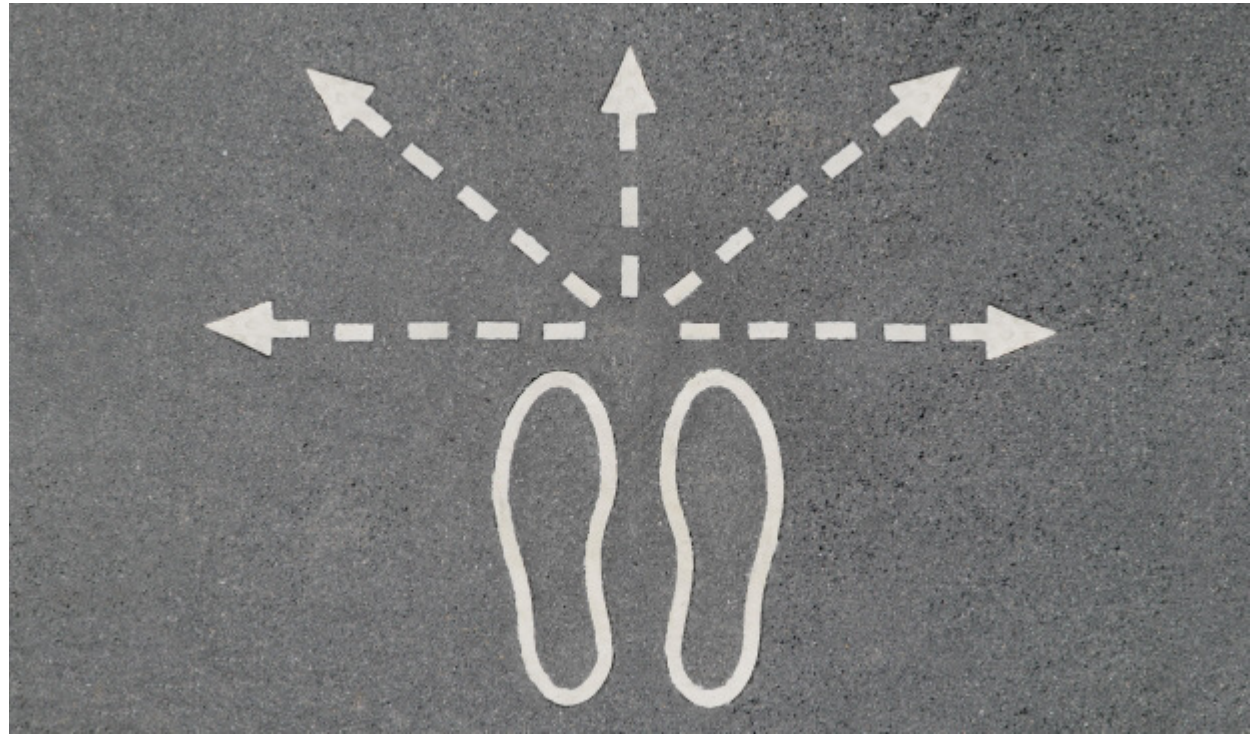
Adapt

Key questions an EB practitioner should ask themselves
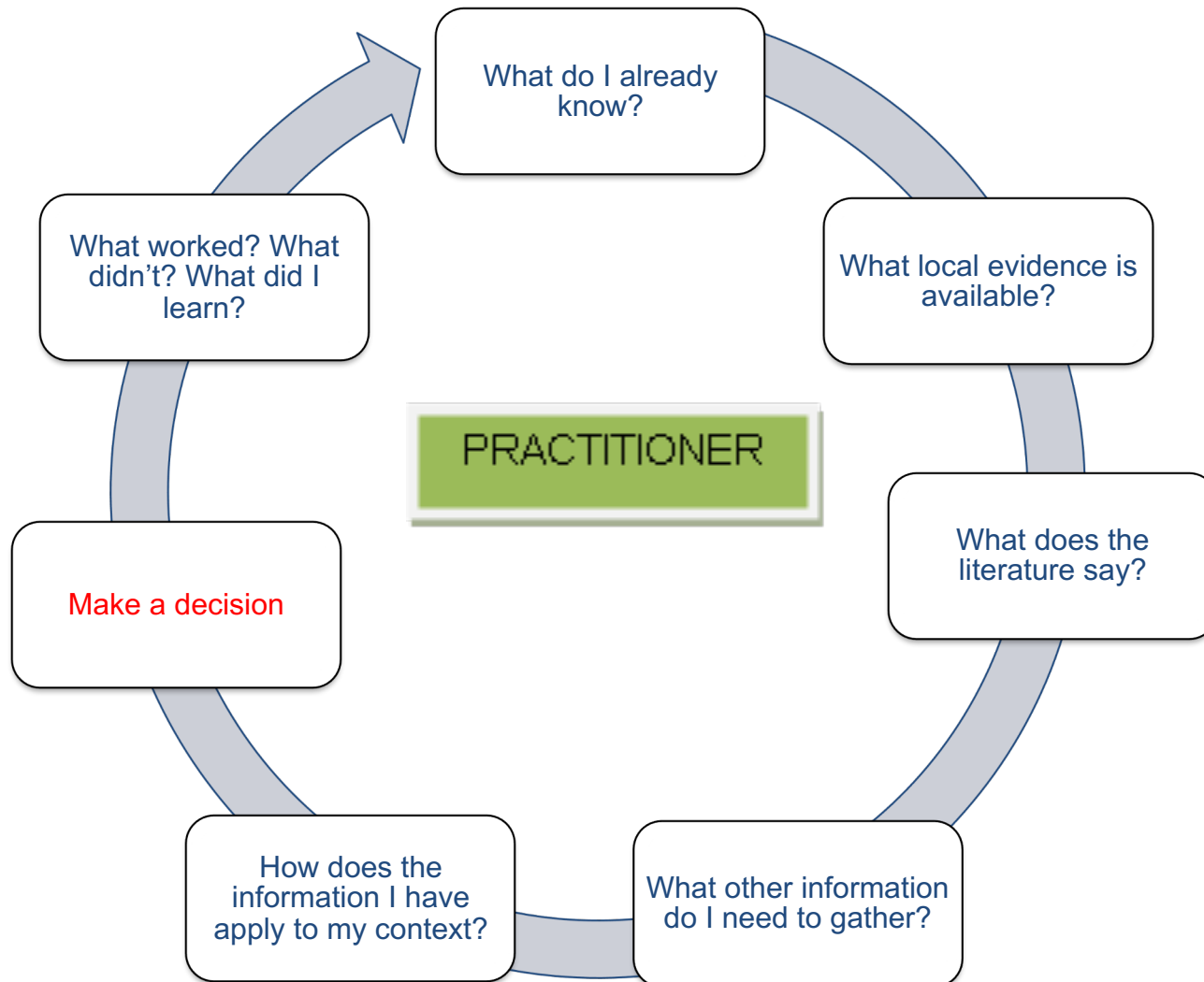
Bringing the components together

Determinants of evidence use

- Organizational dynamics
- Time
- Personal outlook
- Education and training
- Information needs

Determinants by level of control
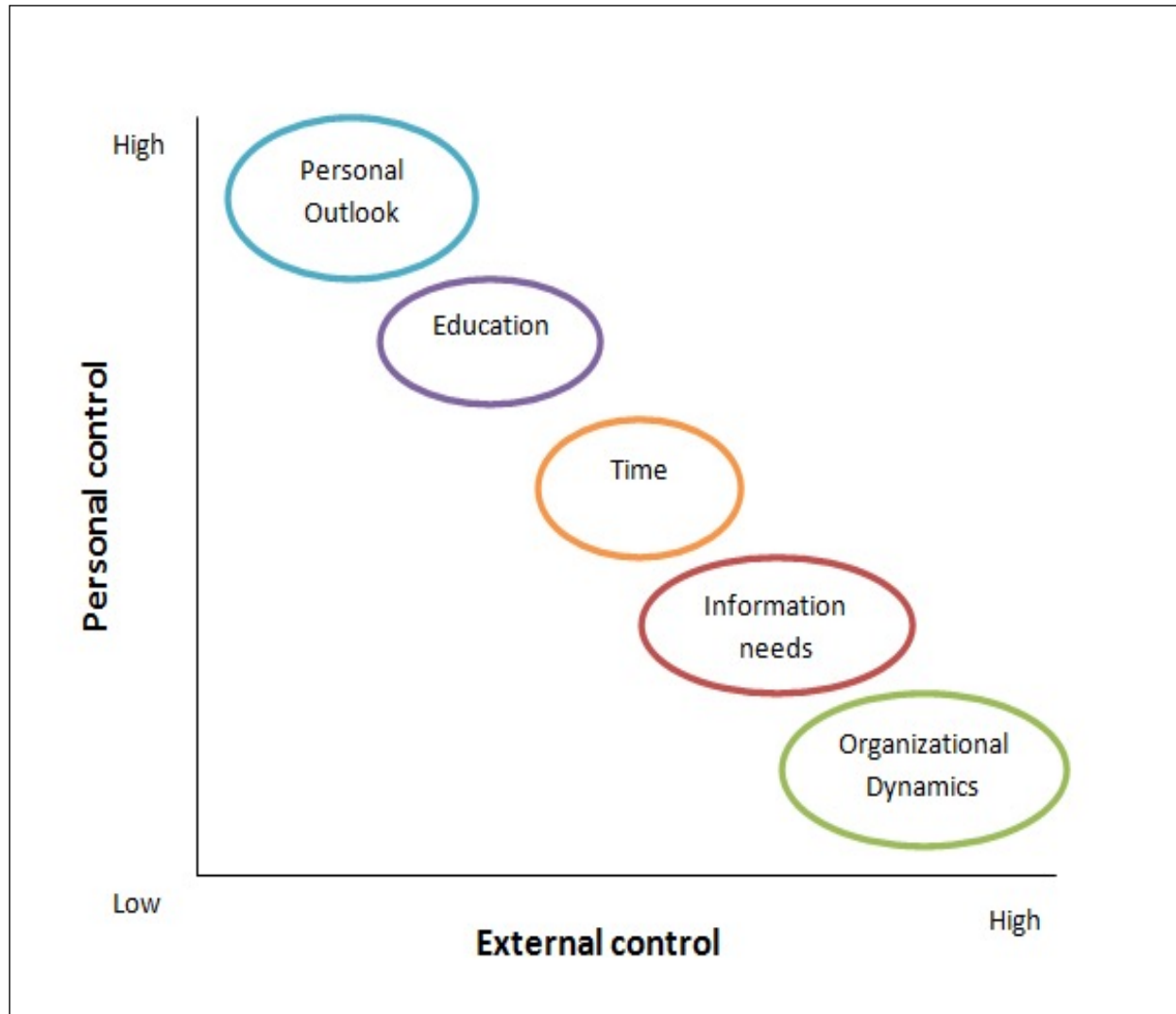
evidence helps us find answers

- we get there by questioning
- we get there by testing
- we get there by making mistakes

EBLIP is a mindset
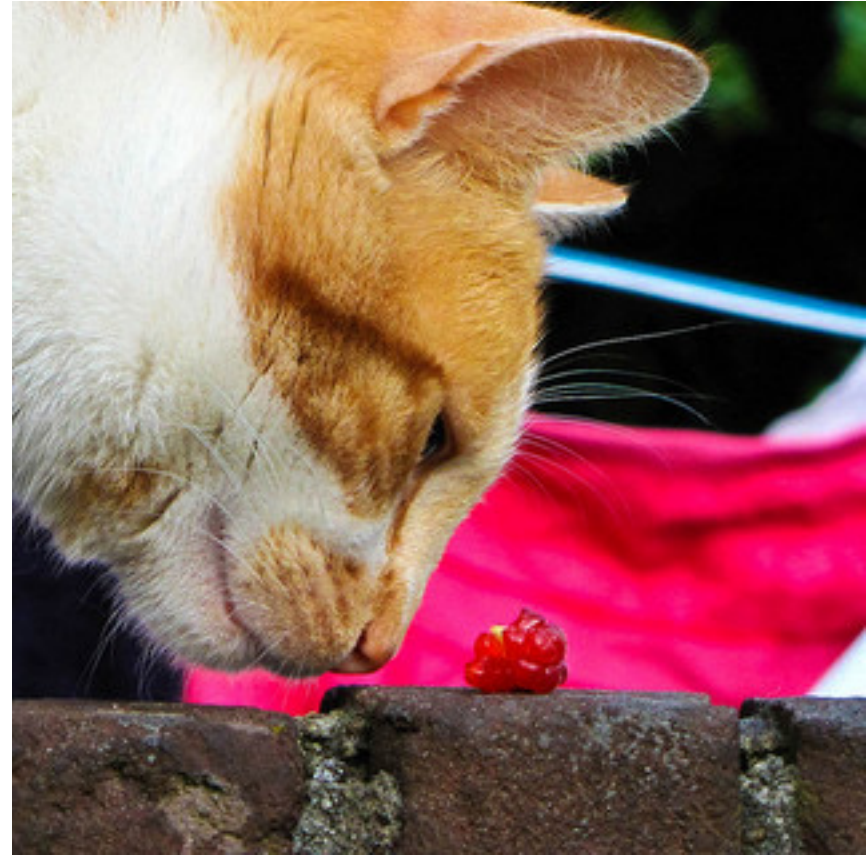
"Wisdom means acting with knowledge while doubting what you know."

Jeffrey Pfeffer & Robert I. Sutton

For more detail (articles are open access):

Koufogiannakis, D. (2012). Academic librarians' conception and use of evidence sources in practice. *Evidence Based Library and Information Practice, 7*(4), 5-24.

Koufogiannakis, D. (2013). Academic librarians use evidence for convincing: A qualitative study. *SAGE Open, 3*: 2158244013490708.

Koufogiannakis, D. (in press) Determinants of evidence use in academic librarian decision making. College & Research Libraries. Pre-print: http://crl.acrl.org/content/early/2014/01/17/crl13-570.short?rss=1

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Booth, A. (2009). EBLIP five-point-zero: Towards a collaborative model of evidence-based practice. *Health Information and Libraries Journal, 26*(4), 341-344.

Hayward, R. S. (2007). Evidence-based information cycle. *Centre for Health Evidence*. Retrieved 9 Nov. 2011 from http://www.cche.net/info.asp

Partridge, H., Edwards, S., & Thorpe, C. (2010). Evidence-based practice : Information professionals' experience of information literacy in the workplace. In A. Lloyd, & S. Talja (Eds.). *Practising information literacy: Bringing theories of learning, practice and information literacy together*. Wagga Wagga, NSW: Charles Sturt University.

Schrum, D. (2011). Classifying forms and combinations of evidence: Necessary in a science of evidence. In P. Dawid, W. Twining, & M. Vasilaki (Eds.). *Evidence, inference and enquiry*. (pp. 11-36). Oxford: Oxford University Press.

Thorpe, C., Partridge, H., & Edwards, S. L. (2008). *Are library and information professionals ready for evidence based practice?* Paper presented at the ALIA Biennial Conference: Dreaming08, Alice Springs, Australia. Retrieved 20 Nov 2011 from http://conferences.alia.org.au/alia2008/papers/pdfs/309.pdf