Aggregate Data Exchange (ADX) Profile
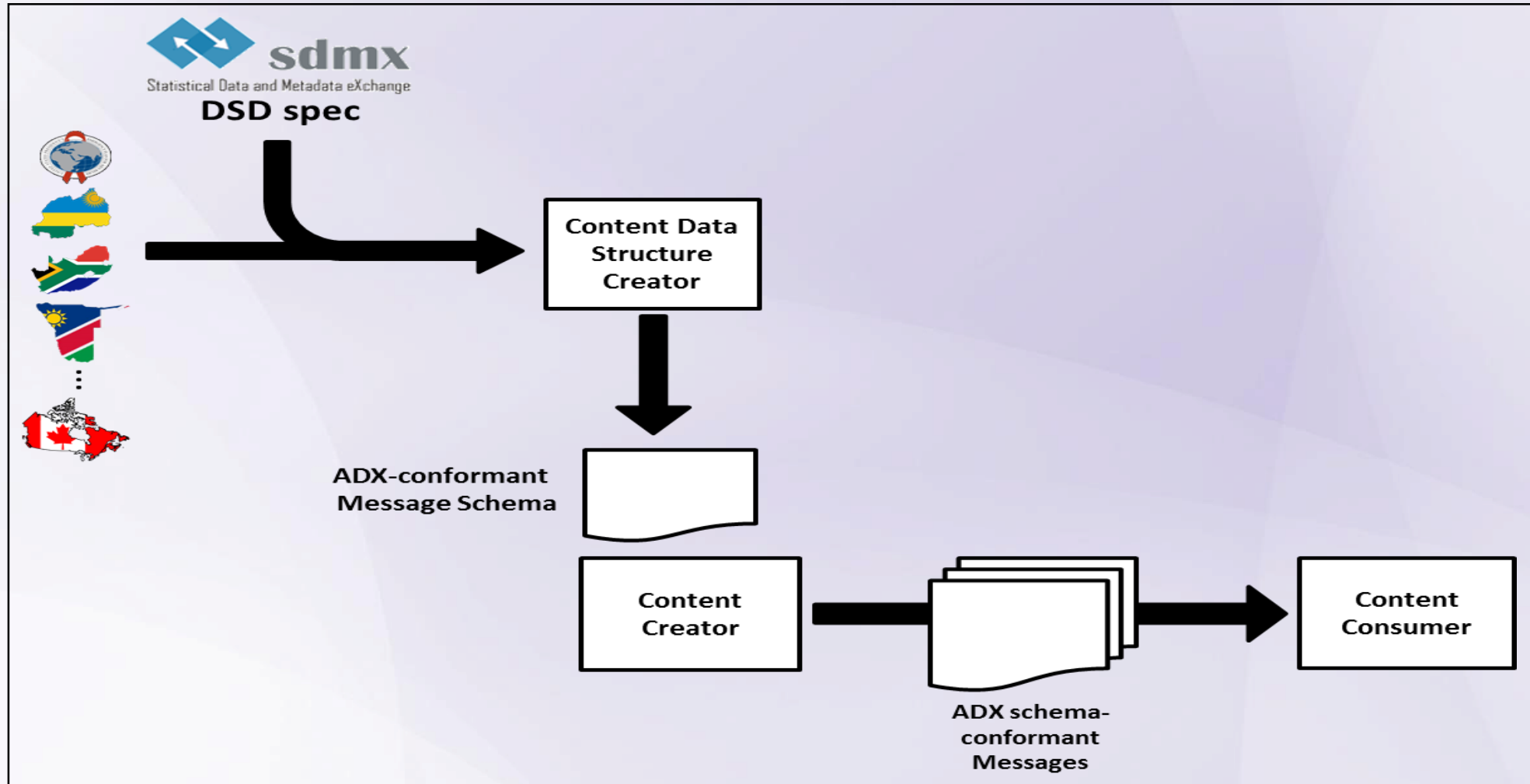
James Kariuki and Bob Jolliffe

Background

Problem addressed

- Aggregate health data for routine reporting is used in most countries in the world.
- Increasingly, electronic data systems are adopted to manage health data. But …
  - Routine reports printed and re-entered manually into another system.
  - No widely adopted standard of formatting and exchanging aggregate data.
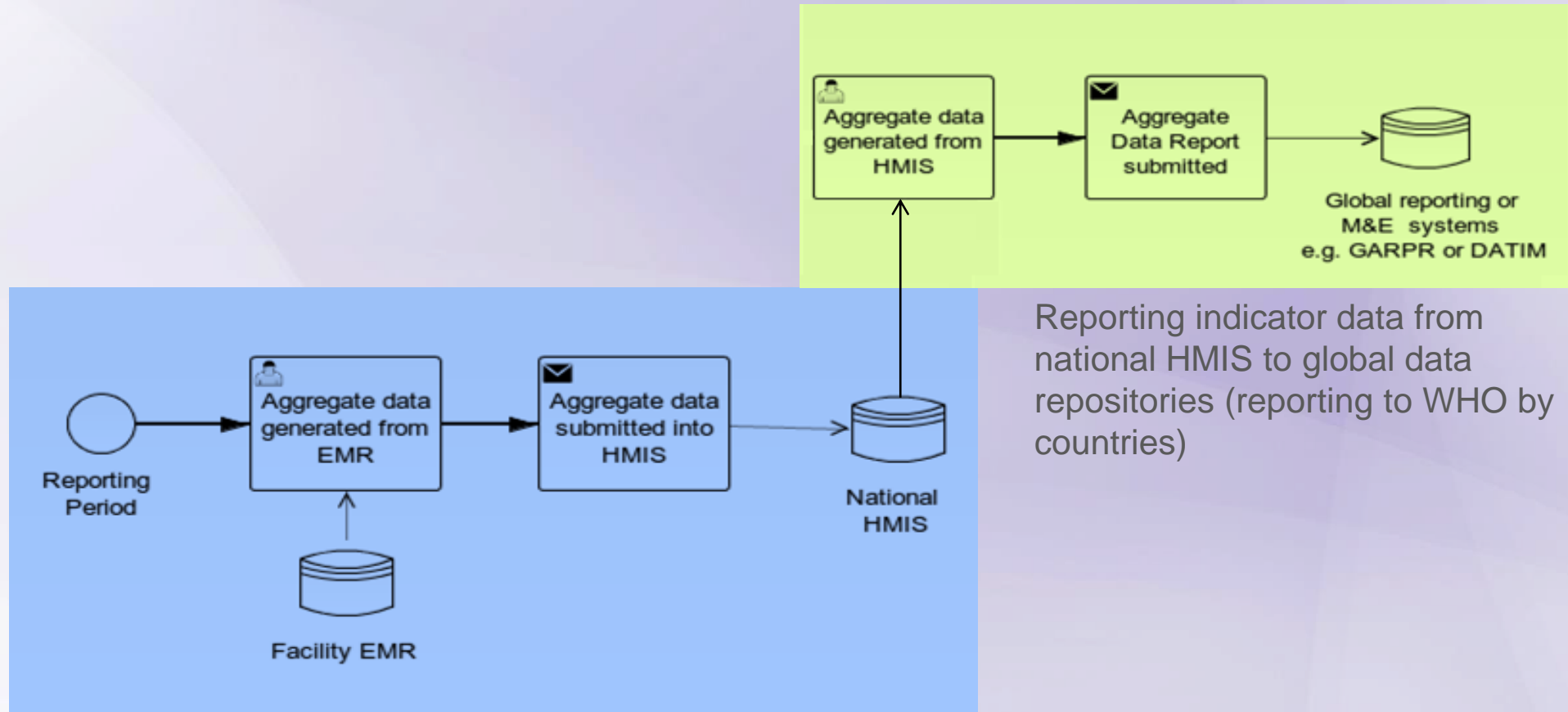 - Aggregate data exchange exists in ad-hoc or use of de-facto methods

Value proposition

- Can meet reporting requirements in resource and technologically diverse settings.
- ADX is a significant step forward in providing a standards based profile for aggregate health information data flow to.
  - Support the health workflows for local, national and international use.
  - Support electronic reporting to Improve on the slow, labor intensive and error prone manual process.

Technical solution

ADX Use Cases Adapted

Reporting indicator data from national HMIS to global data repositories (reporting to WHO by countries)

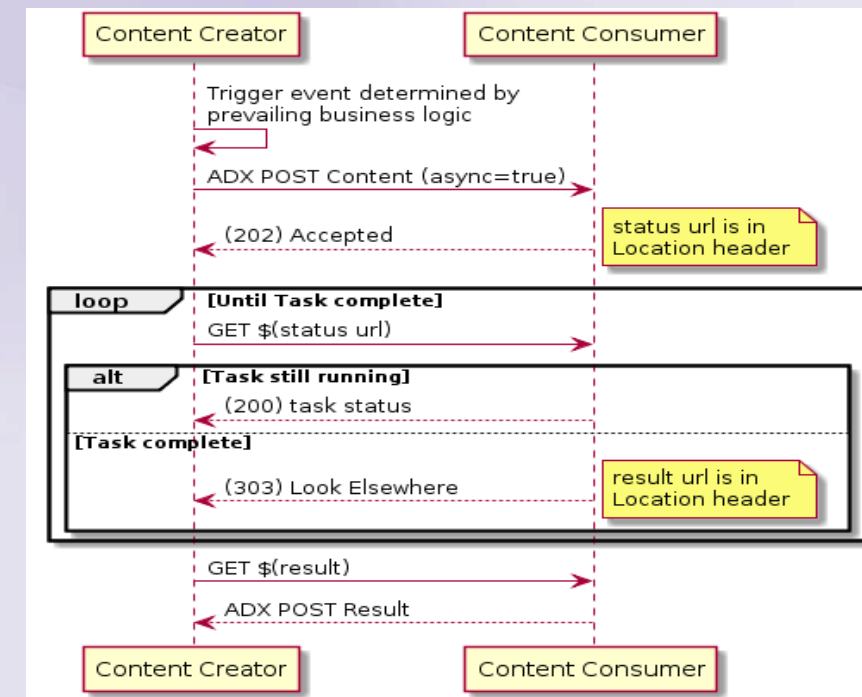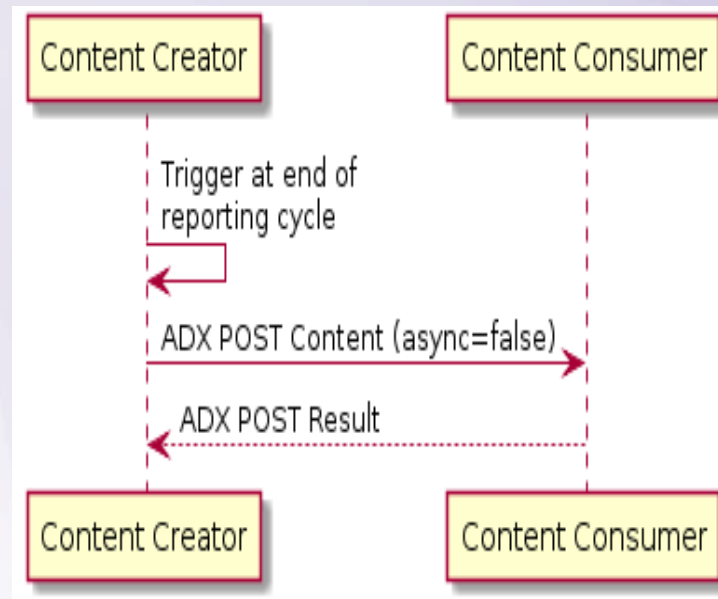Routine reporting of indicator data from electronic medical record systems

ADX Profile Enhancement

Validation of ADX messages
- Structure and content of ADX data messages can be validated using schemas derived from the ADX compliant DSD.
  - W3C XML schema definition
  - an ISO Schematron schema

Transport specification
- The ADX POST Content is implemented as an HTTP request using the POST method as specified in RFC2616

Thank You