

Wikimedia Technical Conference

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October 2018



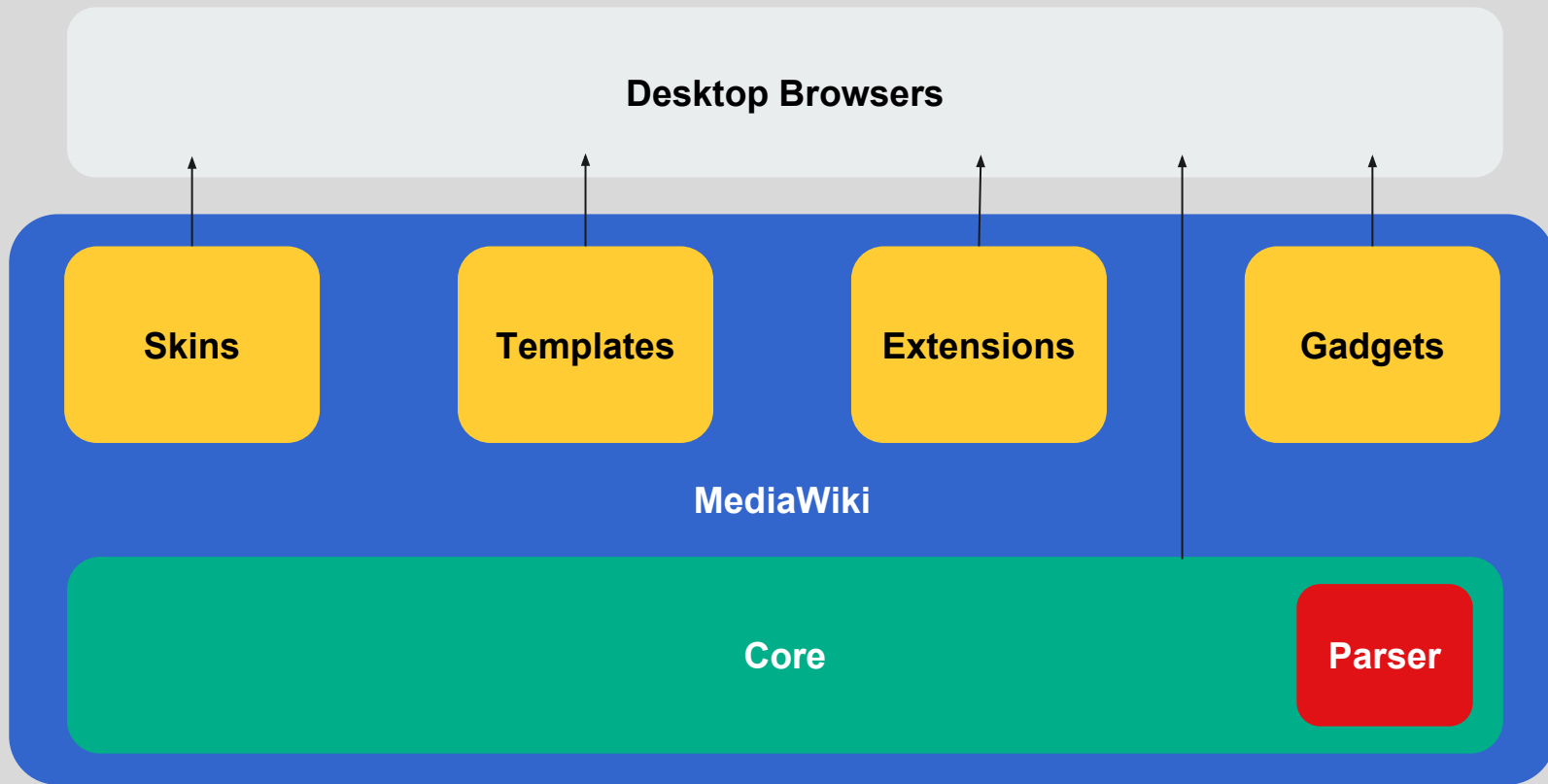
WIKIMEDIA
FOUNDATION

A *(short)* history of the Wikimedia software platform



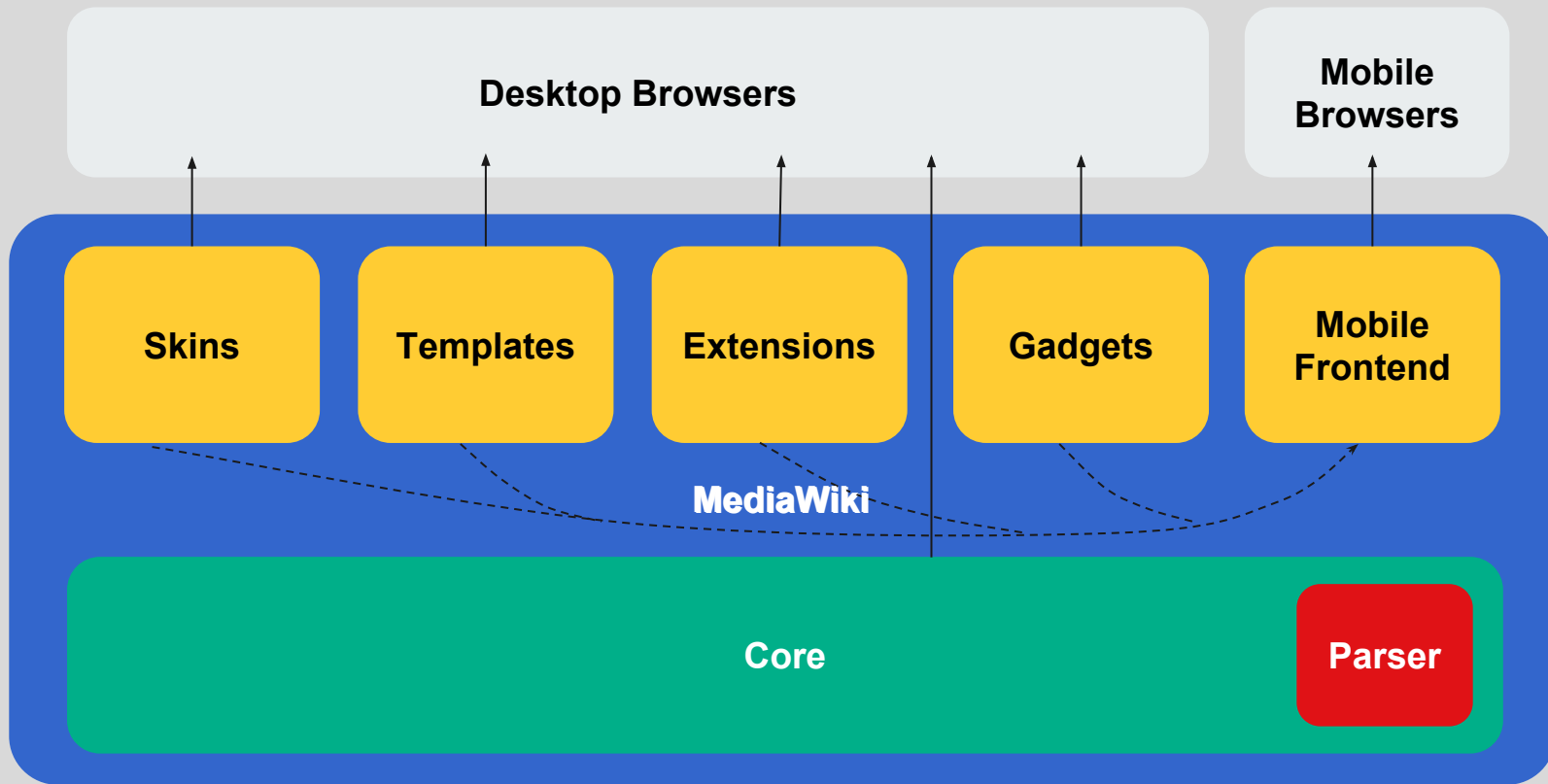


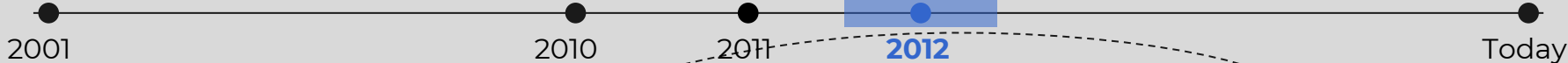
“Before mobile”



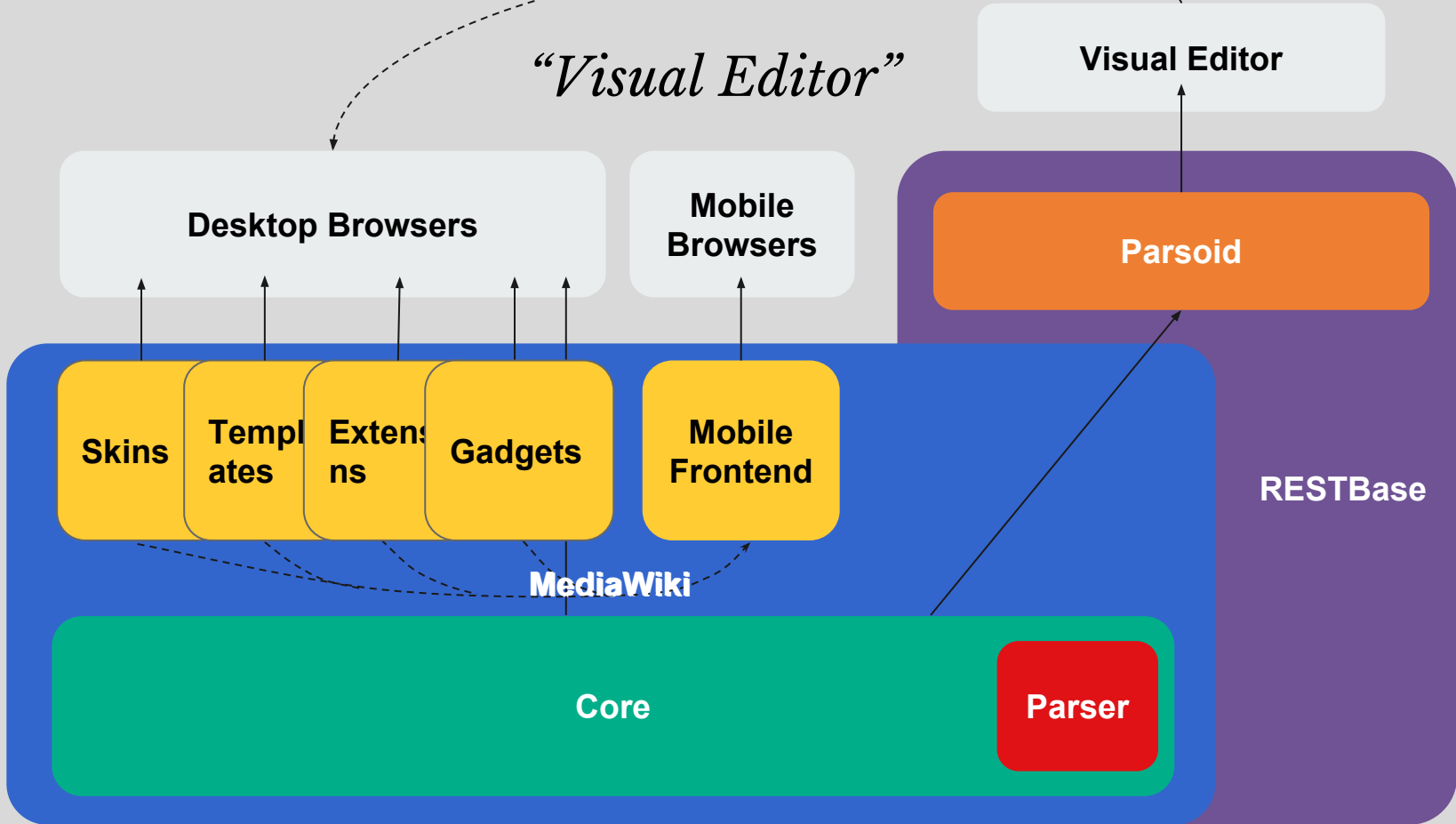


“Mobile”





“Visual Editor”



2001

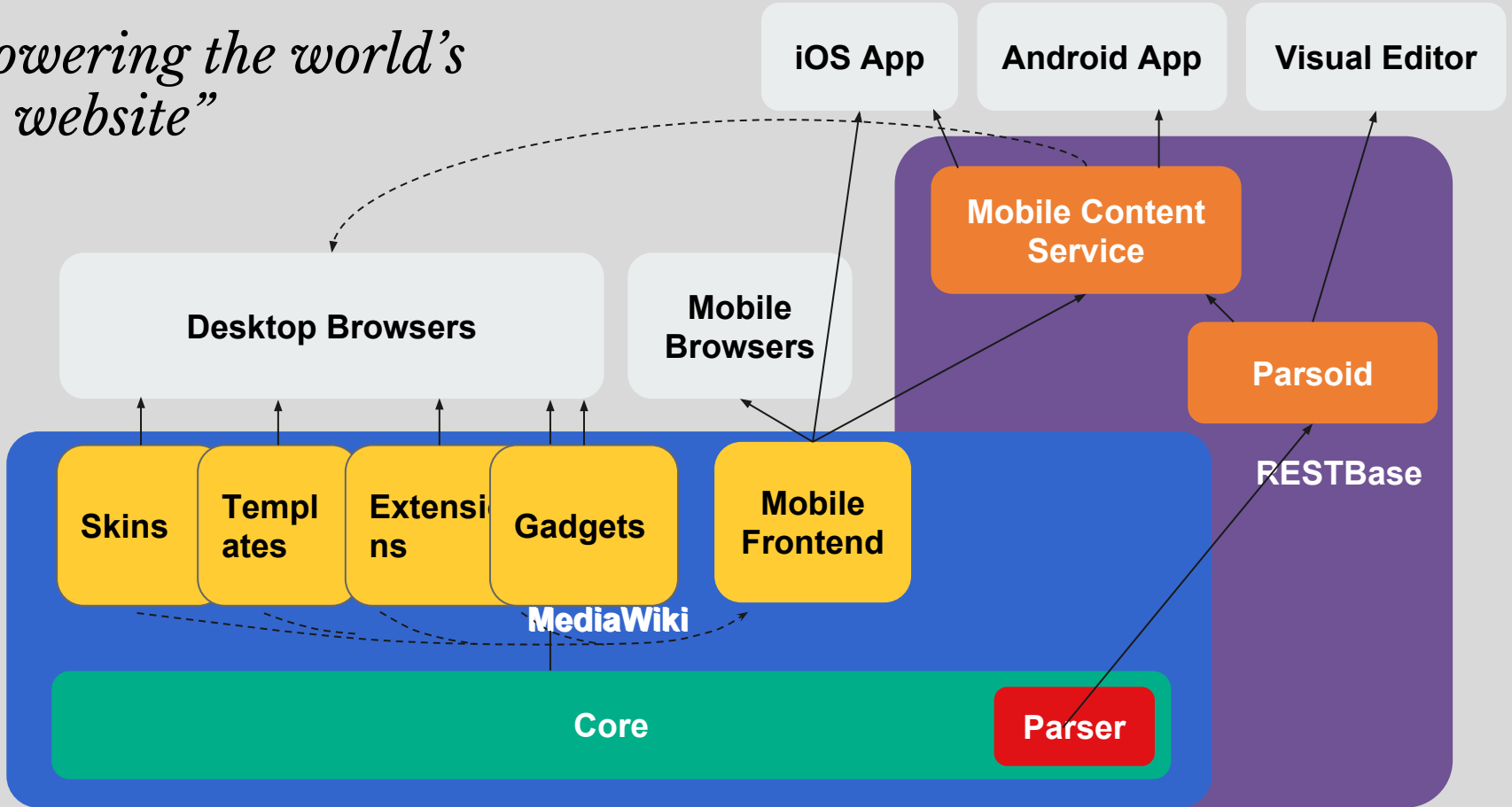
2010

2011

2012

Today

“Powering the world’s #5 website”



but wait, there's more...

ORES

Redis

Structured Discussions

Content Translation

Cirrus

Swift

Event Bus

Memcached

Thumbor

Change Prop

MySQL

Varnish

Cassandra

Kafka

PCS

Page View API

Wikibase

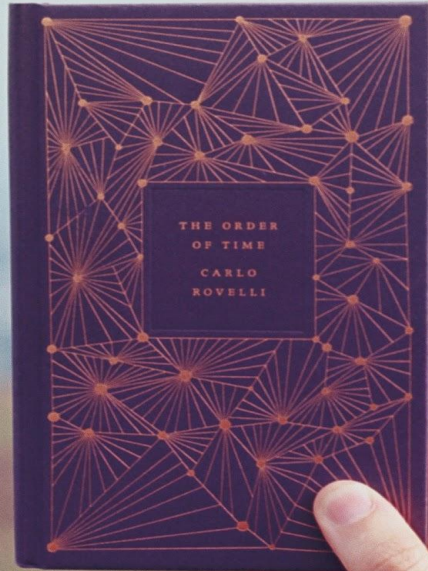
Wikidata

“just in time” architecture



not designed
— *emergent*

So, let's define our
goals and principles instead



Architecture principles





Our strategy:

**essential infrastructure of
free knowledge, through:**

Knowledge Equity

Knowledge as a Service

Our architecture principles:

Sustainability

FLOSS

Scalability

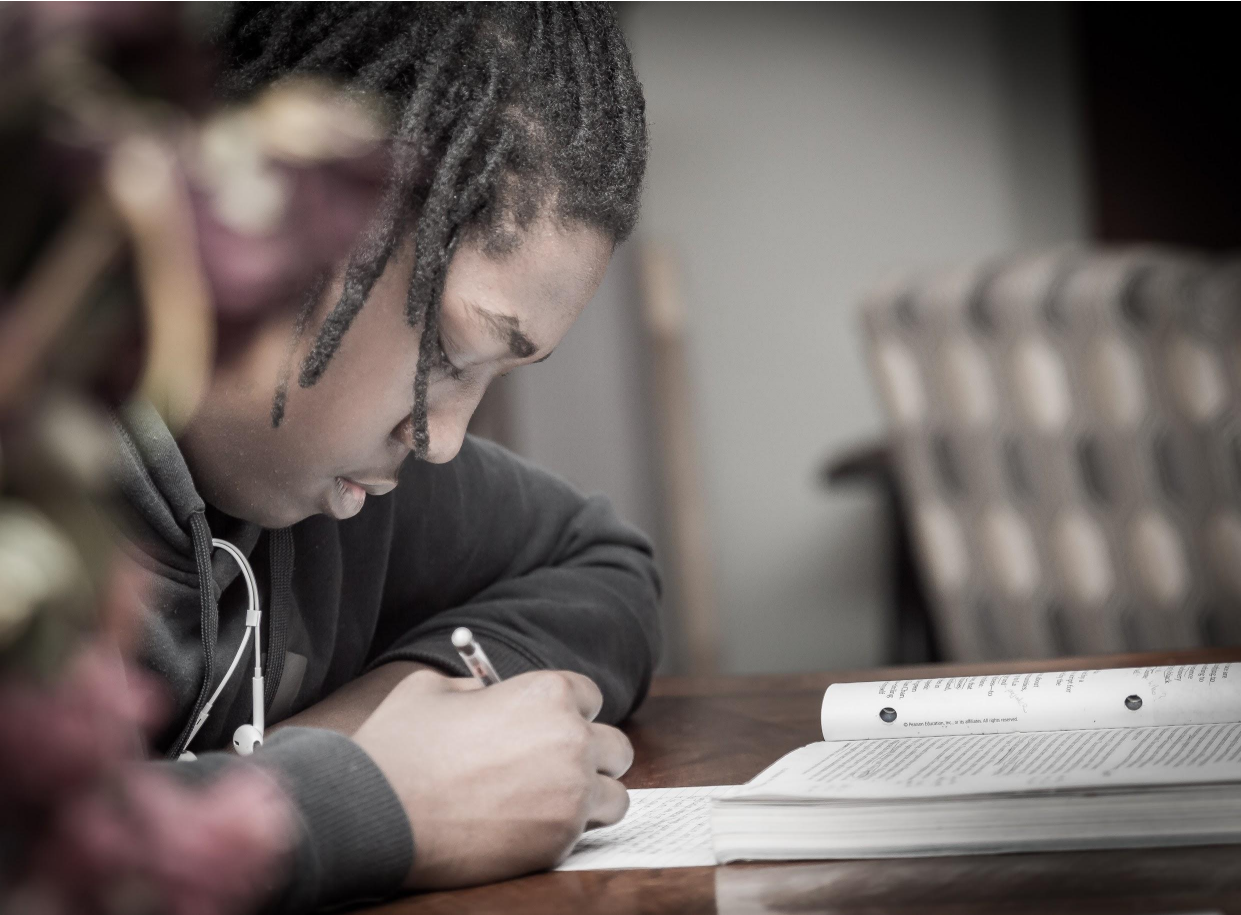
Resilience

Security

Privacy



Our constituencies:



Editors

Readers

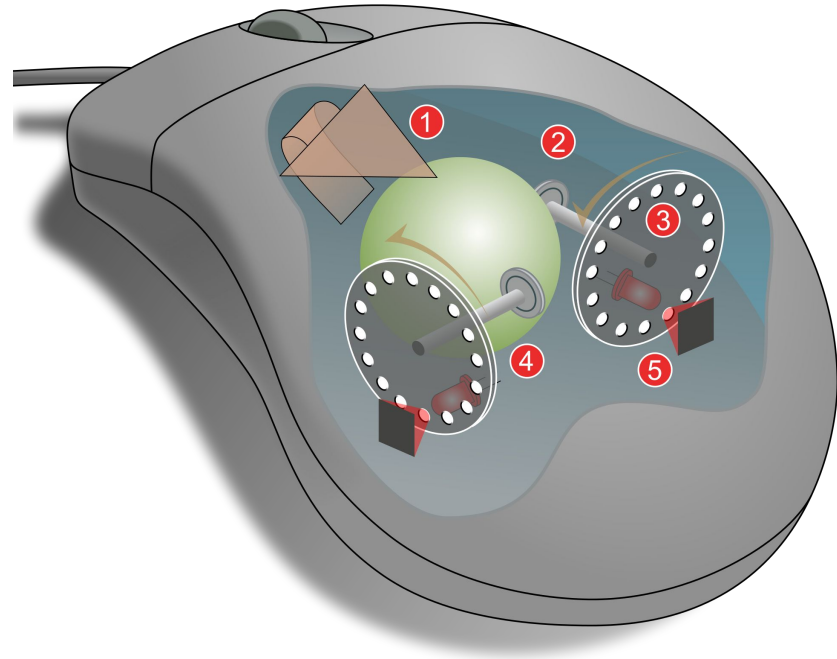
Devs

Admins & power users

Community

Goal 1:

Allow users to **consume, create, and interact** in a form suitable for their **devices**, with the **connectivity** they have, in a language they speak.



Goal 2

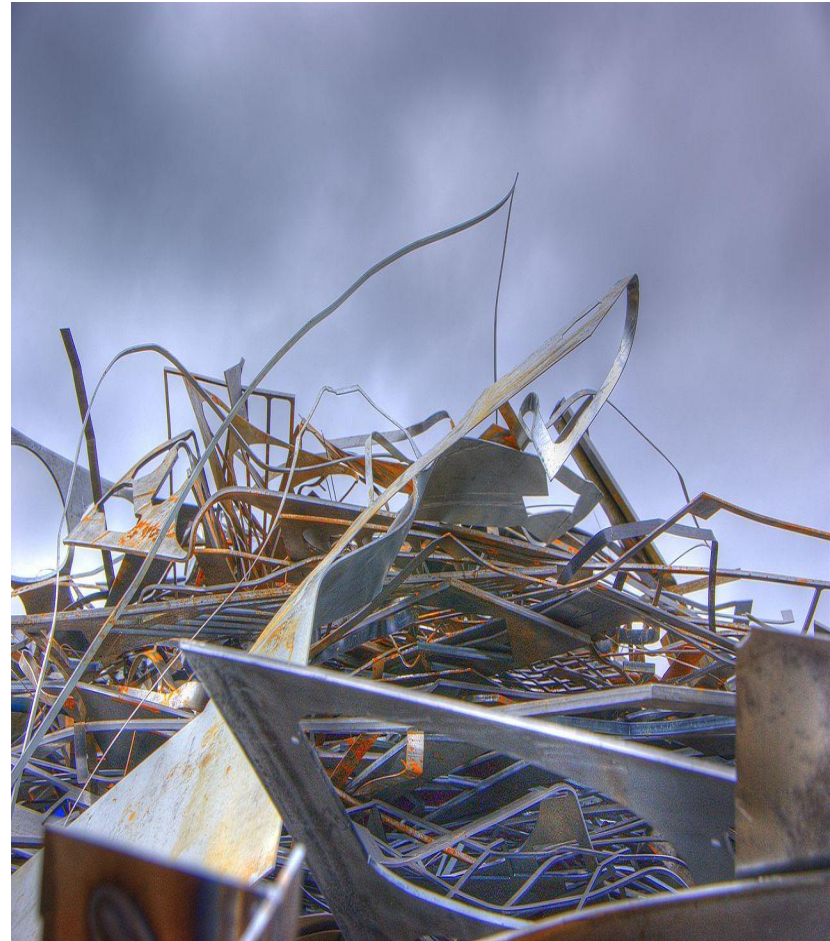
Empower contributors to **collaboratively grow and curate content** and to build the tools ***that they need*** to do so.



Goal 3:

Provide APIs that **allow 3rd party interfaces** to efficiently interact with wiki content.

Provide **reusable data** that can be processed in bulk by 3rd party tools.



Goal 4:

Provide an **open-source** software stack that can be ***easily used, modified, and extended*** by others.



Goal 5:

Ensure programmer productivity by maintaining **a code base** that can be **modified with confidence** and ***understood without needless difficulty***



Goal 6:

Provide a **web application** that
can be *freely used* to
collaboratively collect and
share knowledge



Goal 7:

Ensure the continued availability and **performance** of WMF projects through **scalable** and **resilient** system design.



Goal 8:

Ensure the *data integrity* of the content on WMF systems, and *protect the privacy* of our users.



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[Image by arvin febry](#)

Our tools for change:



*Platform
Evolution CDP*

Core Platform

Developer Advocacy

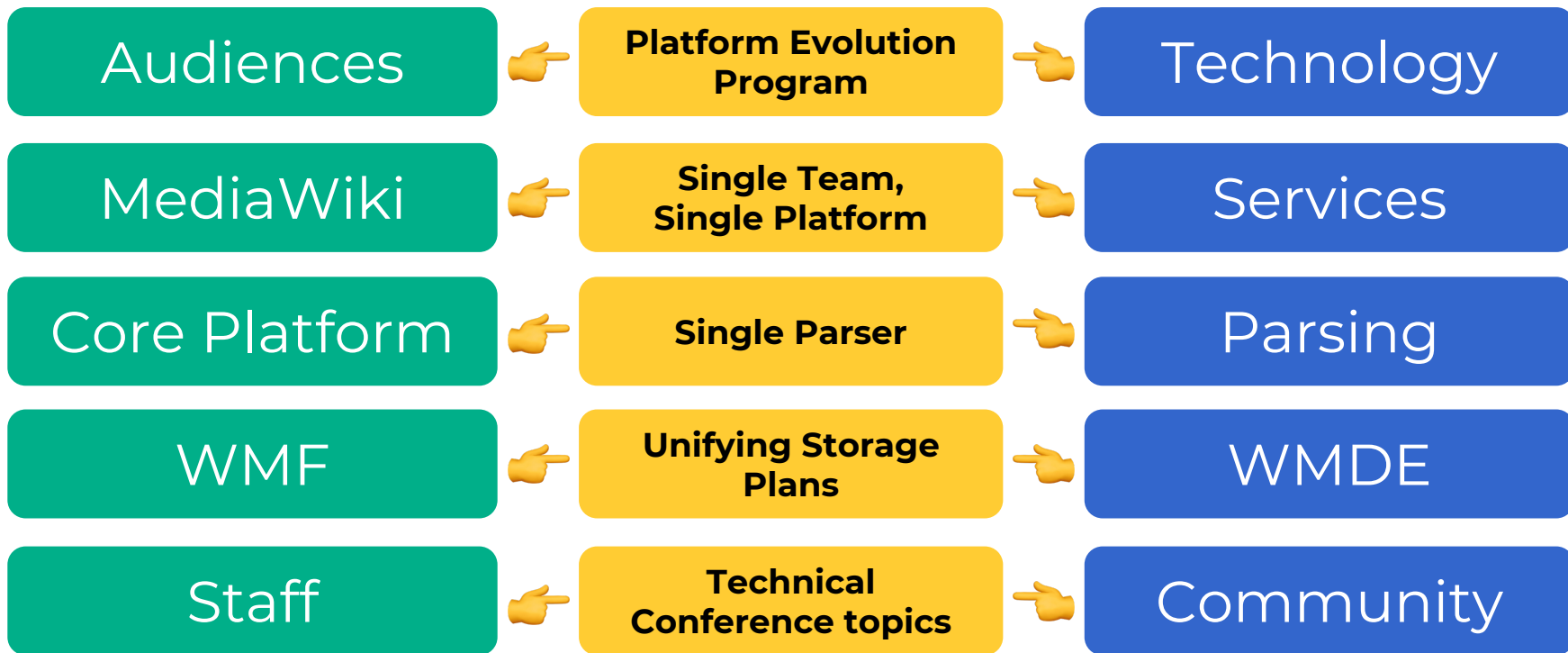
TechCom

*WM Technical
Conference*

So — *what is special*
about this conference?



Collaboration!



We'll be
focusing **on:**

Our roadmap

Our actions

Our outcomes



Thank you!



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