

Releasing *non-breaking* WASI versions

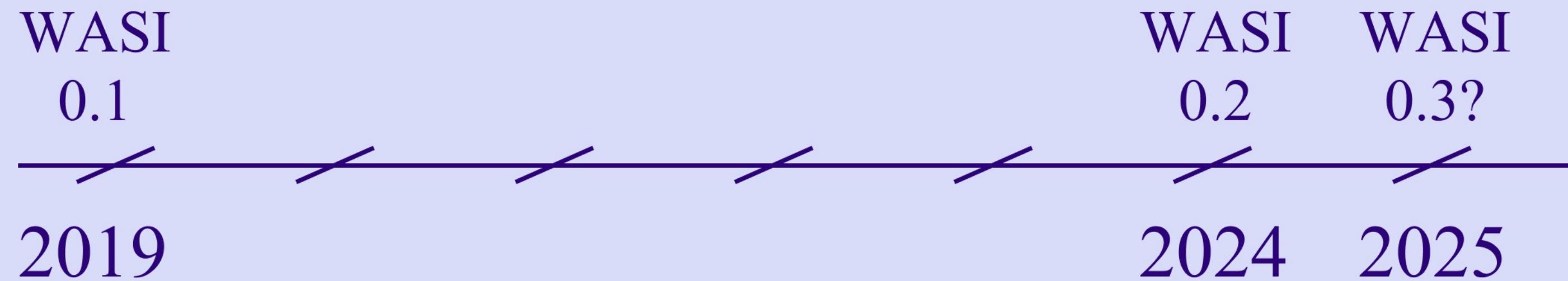
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Cosmonic

WASI SG Meeting
2024-06-27

1. Make it mechanically possible to extend existing WIT documents.
2. Show how we can leverage those mechanics for WASI.
3. Establish a process for releasing new non-breaking WASI versions.

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How do we keep evolving WASI between major (breaking) versions?



Fixing bugs

Adding new worlds

Evolving existing worlds

Updating documentation

Communication

Responding to feedback

Incremental improvements

Community involvement

A new patch version of WASI
should be released  every two months
on the first Thursday.

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Starting August 1st 2024.

version

date

0.2.1 | 2024-08-01

0.2.2 | 2024-10-03

0.2.3 | 2024-12-05

WASI 0.3.0 is intentionally not part
of this proposal, and outside the
scope of any vote today.

WASI releases will begin
running on a *train model*.

Changes to proposals are
continuously rolled up into
the next WASI release.

date

change

2024-08-01 WASI 0.2.1 is released.

date

change

date

2024-08-01

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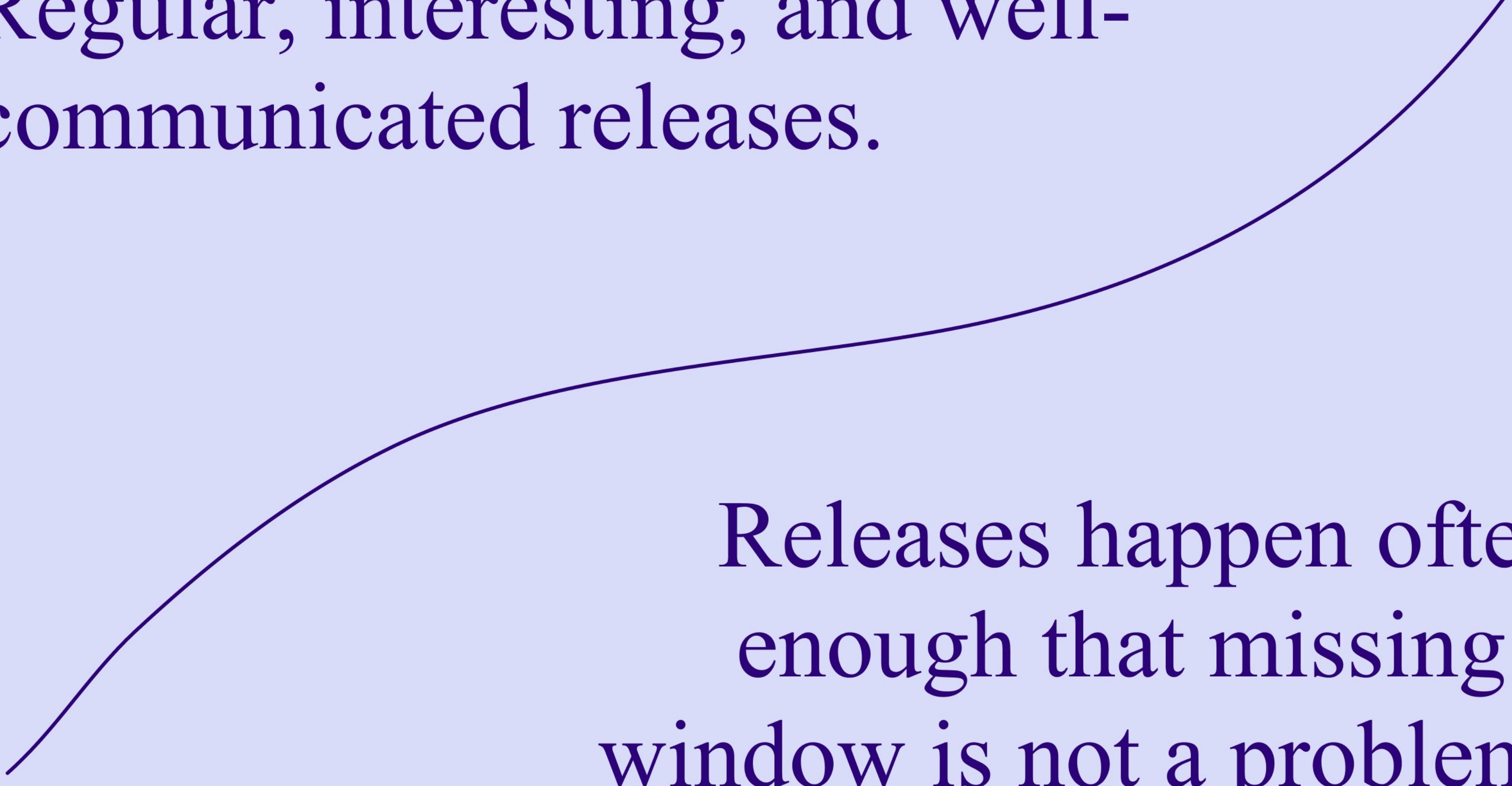
2024-09-05

Timezones is voted to progress to phase 3.

change

date	change
2024-08-01	WASI 0.2.1 is released.
2024-09-05	Timezones is voted to progress to phase 3.
2024-10-03	WASI 0.2.2 is released, with Timezone support.

Regular, interesting, and well-communicated releases.



Releases happen often enough that missing a window is not a problem.

Releases every two months is a
starting point. We should evaluate
the cadence as we go.

Missing a release window feels too punishing? That's an indication we might want to release *more often*.

Are we finding we're regularly
shipping releases with no API
changes? That's an indication we
might want to release *less often*.

Releases will always happen on the fixed dates, regardless of the changes within.

The question should never be *if* or *when* to release, but about *what* we're releasing

alternative:
feature-based releases ←

Two votes per feature: one to pass the feature, another to vote to cut a release containing the feature.

alternative:

feature-based releases ←

Releases happen whenever the subgroup votes to. That's as fast as *every two weeks*, or as slow as *never*.

alternative:
feature-based releases ←

It creates a negative incentive to hold votes later, so we don't release too often - overwhelming users.

alternative:
feature-based releases ←

This pulls useful WASI SG time into deciding whether to cut releases, away from the actual proposals themselves.

alternative:
feature-based releases ←

recap

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*End of the
Presentation*