06 – CREATE & SUPPORT THE KOSMUNITY

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KOSMOS DAY 2025 - 15/09/2025

KOSMUNITY :
WHAT IS IT?

... All KOSMOS users.

Non-exhaustive list

SUPPORT THE KOSMUNITY :
THE CURRENT SITUATION

A complete, but complex environment

- The environment is **constantly** being **enhanced** with new features.

- **Complexity increases** as a result, to the detriment of accessibility.

- The documentation associated with KOSMOS has considerable room for improvement.

An expensive entry ticket

- Developing skills independently in the KOSMOS environment today is challenging:

  - **Technical complexity**

  - **Limited training materials**

- This observation will be even more true as the KOSMOS environment becomes more comprehensive.

- This effort is particularly impacting junior profiles (students, interns, PhD students, first-time job seekers, etc.)

The issue of support for experienced users

- How can I **keep up to date** with developments and new features in KOSMOS?

- How can I **alert users** if an anomaly is detected, and how can I share feedback?

  - Currently, feedback is centralized and distributed by CNES.

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SUPPORT THE KOSMUNITY : CLASSICAL TRAINING COURSE TODAY

KOSMOS High-Level Presentations

- Introductory presentations
- Theoretical training days at KOSMOS

Practical work (TP LVROOT)

- Can be supervised by the CNES or performed independently
- This lab allows to play with the KOSMOS configuration and add partitions
- A user who needs to develop an application partition, for example, will need more.

Access to resources

- Code (Gitlab)
- Documentation (Confluence)

Skills increase, in autonomy

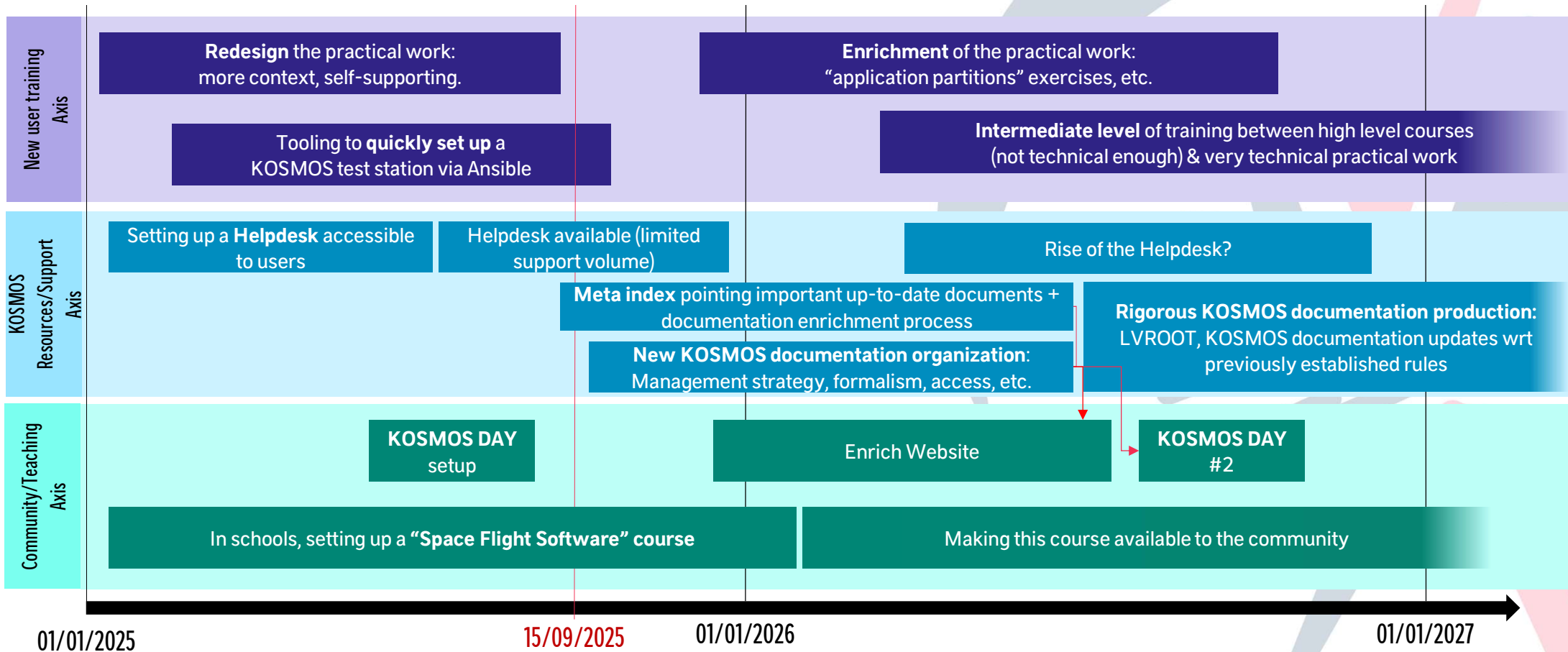- With, on a case-by-case basis, support from CNES

→ Things exist.

→ They are largely improvable

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IN FRONT OF THESE OBSERVATIONS

HERE ARE OUR IDEAS

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SUPPORT THE KOSMUNITY :
CURRENT / SHORT-TERM PROJECTS

New user training Axis

Redesign the practical work:
more context, self-supporting.

Enrichment of the practical work:
"application partitions" exercises, etc.

Tooling to **quickly set up** a
KOSMOS test station via Ansible

Intermediate level of training between high level courses
(not technical enough) & very technical practical work

KOSMOS Resources/Support Axis

Setting up a **Helpdesk** accessible
to users

Helpdesk available (limited
support volume)

Rise of the Helpdesk?

Meta index pointing important up-to-date documents +
documentation enrichment process

Rigorous KOSMOS documentation production:
LVROOT, KOSMOS documentation updates wrt
previously established rules

New KOSMOS documentation organization:
Management strategy, formalism, access, etc.

Community/Teaching Axis

KOSMOS DAY
setup

Enrich Website

KOSMOS DAY
#2

In schools, setting up a **"Space Flight Software"** course

Making this course available to the community

01/01/2025   15/09/2025   01/01/2026   01/01/2027

SUPPORT THE KOSMUNITY :
MEDIUM TERM PROJECTS
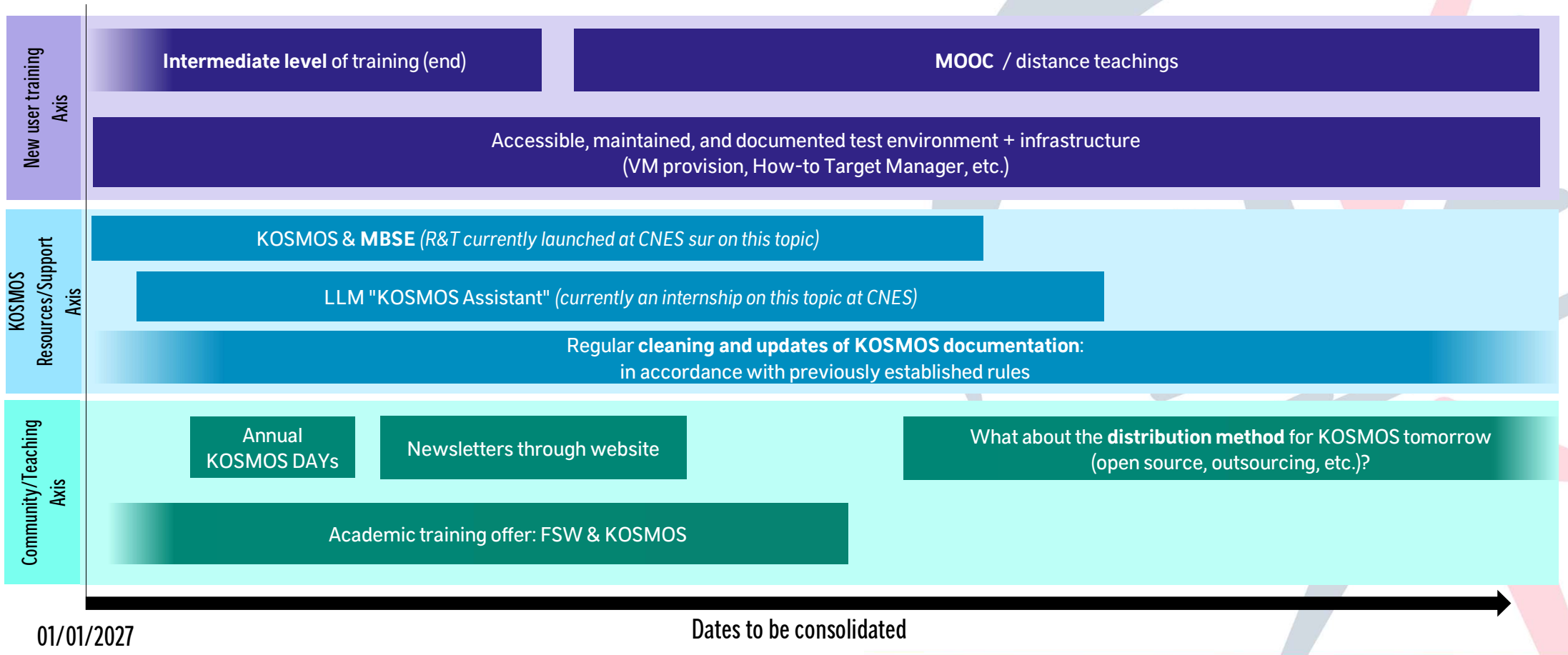
New user training Axis

Intermediate level of training (end)	MOOC / distance teachings

Accessible, maintained, and documented test environment + infrastructure
(VM provision, How-to Target Manager, etc.)

KOSMOS Resources/Support Axis

KOSMOS & **MBSE** *(R&T currently launched at CNES sur on this topic)*

LLM "KOSMOS Assistant" *(currently an internship on this topic at CNES)*

Regular **cleaning and updates of KOSMOS documentation**:
in accordance with previously established rules

Community/Teaching Axis

Annual KOSMOS DAYs

Newsletters through website

What about the **distribution method** for KOSMOS tomorrow (open source, outsourcing, etc.)?

Academic training offer: FSW & KOSMOS

01/01/2027

Dates to be consolidated

WE NEED YOU !

LET'S DISCUSS THIS TOPIC TOGETHER THIS AFTERNOON DURING A ROUND TABLE.

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