

# WHAT IS JACoW? HISTORY, PRESENT, AND FUTURE OF THE COLLABORATION

Meghan McAteer (HZB)

2024 JACoW Annual Team Meeting, Deauville, France



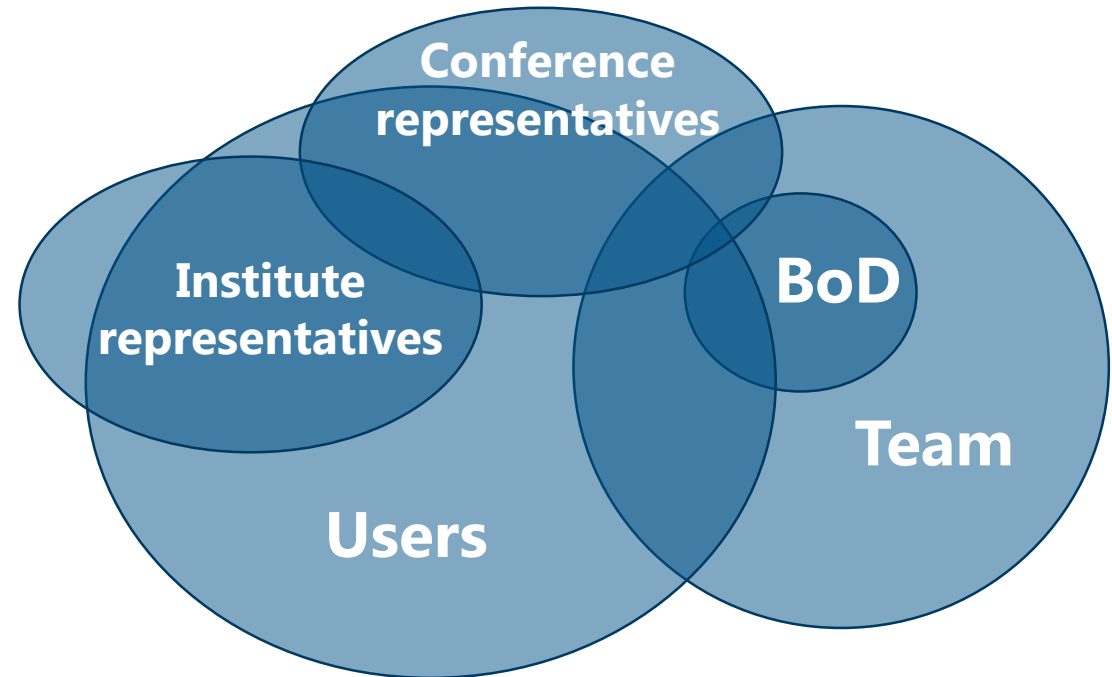
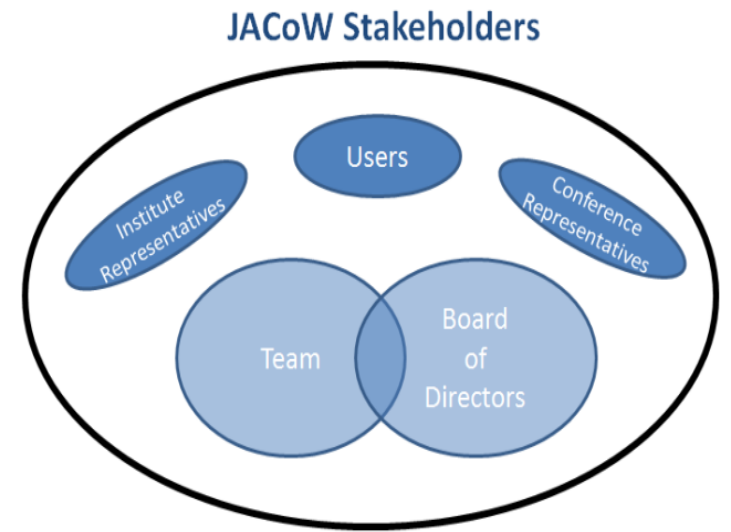
# What is JACoW?

**A collaboration which publishes and archives a vast repository of conference proceedings in accelerator physics and technology**

- 257 proceedings volumes (dating back as far as 1959)
- +76,000 papers published
- Highly valuable resource for researchers in accelerator-related fields

# WHO is JACoW?

- 17 conference series are members  
(ie have asked to publish their proceedings with JACoW and agreed to adhere to the collaboration's boundary conditions)
- Stakeholders: all users, representatives from research institutes, representatives from conferences, JACoW team
- JACoW Team: editors from each conference instance, subject matter experts and officers, Board of Directors



# What are the goals of JACoW?

- Publish high-quality sets of proceedings with access through the custom interface
- Provide long-term archival storage to ensure longevity and access to publication data
- Publish conference metadata for open archives.
- Train and educate authors and editors (includes development of tools for producing proceedings)
- Maintain a set of user profiles for accelerator conferences
- Provide support for conference organizers

Consistent goals since the founding of the collaboration!

# How do we manage all of this?

The JACoW collaboration model, according to the Charter and Boundary Conditions:

- Editors from each conference which wishes to publish with JACoW join the JACoW team for three years, to learn how to produce proceedings, contribute to the development of the collaboration, and transfer knowledge; the editor-in-chief is responsible for producing proceedings
- Team also includes subject-matter experts, officers, and co-opted editors
- Board of Directors is the decision-making body which is responsible for ensuring that the collaboration fulfils its mission
- Annual Team Meeting for development and transfer of technical knowledge among team members
- Annual Stakeholders meeting to report activities to, and discuss issues with, wider set of stakeholders (typically during IPAC)

# LABS PROVIDING INFRASTRUCTURE AND SERVICES



- Proceedings Repository & Search
- SPMS Central Repository (Accounts and Profiles)
- SPMS Regional Support Centre for Europe
- JACoW Indico
- Paper File Server for EMEA and Australasia (formerly at PSI)



- Proceedings server
- SPMS Regional Support Centre for Australasia and the Americas (to be retired end of 2024)



Elettra Sincrotrone Trieste

- JACoW.org Website Hosting
- CWS tools, CAT tools
- Indico documentation pages



- Reference Search Tool
- Cat Scan Tool

# JACoW: The origin story

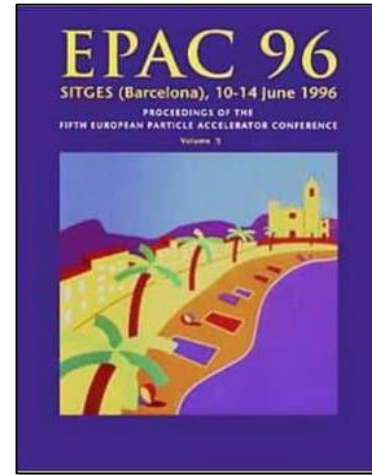
(Slides from Todd Satogata)





# When I was your age...

...proceedings were called “books”!



## Conferences once printed all their proceedings

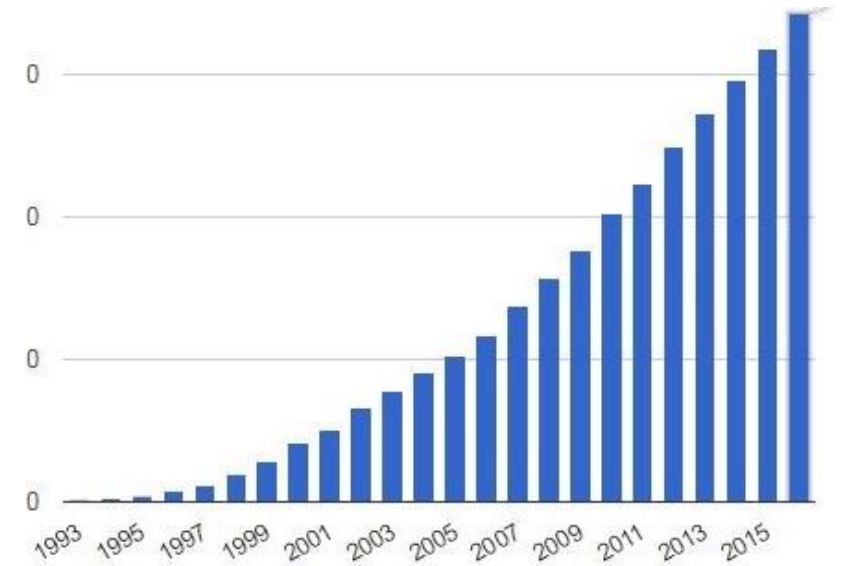
- (Nearly) all the delegates got a printed, shipped copy
- Labs sent people to conferences to get proceedings!
- Printing, shipping was a big piece of the conference budget



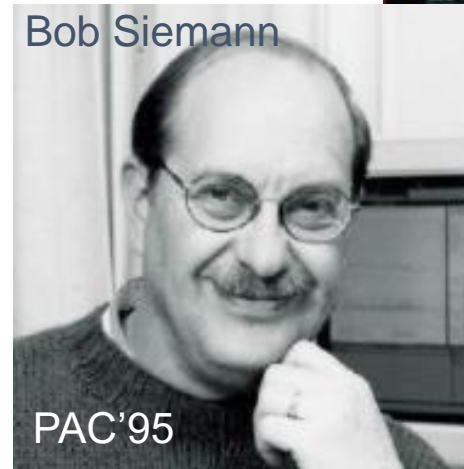
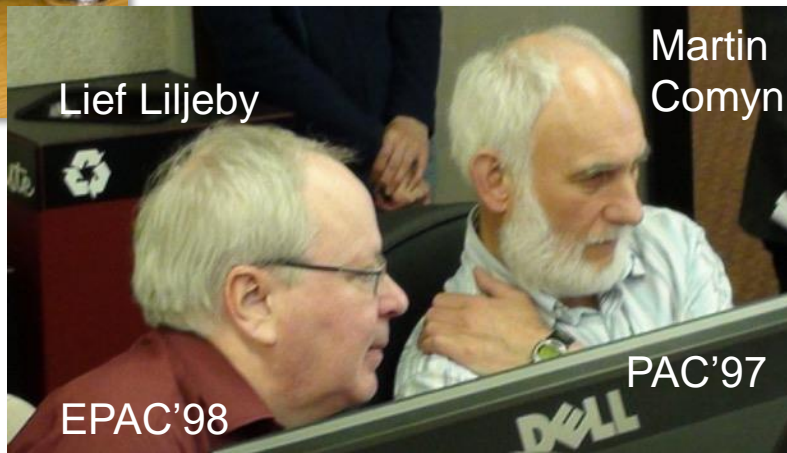
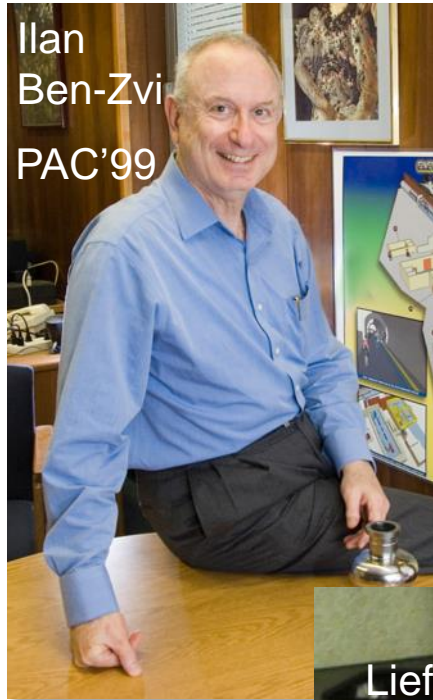
# A CONFLUENCE OF TECHNOLOGIES...

- 1990-1: World Wide Web (CERN)
- 1993: PDF and Acroread made free (Adobe)
- 1993: Commercialization of Linux (redhat)
- 1994: 100 MHz PC processors (Intel)
- 1995-2000: Dot Com Boom
  - Internet usage/access grows 25x: 15M to 350M
- PAC'95 (Dallas): Camera-ready publication (paper)
- EPAC'96 (Sitges): Full electronic publication (CERN)
  - Templates, on-site editing, dot board (author “education”)
- PAC'97 (Vancouver): The birth of JACoW
  - Founded by APAC'98, EPAC'98, PAC'99

Internet Users: 1993-2016



# ...AND A CONFLUENCE OF PERSONALITIES



# RECOMMENDED READING ABOUT THE HISTORY OF JACOW

[http://www.jacow.org/uploads/About/Article\\_KASOKUKI.pdf](http://www.jacow.org/uploads/About/Article_KASOKUKI.pdf)

「加速器」 Vol. 12, No. 3, 2015 (152-161)

話題

## THE JOINT ACCELERATOR CONFERENCES WEBSITE, JACoW: AN OPEN ACCESS WEBSITE FOR THE PUBLICATION OF CONFERENCE PROCEEDINGS IN ACCELERATOR SCIENCE AND TECHNOLOGY

Christine Petit-Jean-Genaz\*

### INTRODUCTION

The Joint Accelerator Conferences Website (JACoW), at <http://www.JACoW.org> came into being in the mid-nineties with the publication of the first electronic set of European Particle Accelerator Conference (EPAC) proceedings on the World Wide Web, on a server located at CERN. The publication of that first set of conference proceedings 18 years ago has developed into an international collaboration in electronic publication of accelerator science and technology conference proceedings, with at the time of writing, 18 collaborating conference series and 167 sets of proceedings published. The story of how this came about, and the lessons learned along the way, are described by the author who has been part of this exciting adventure from the earliest days. This article will avoid detail of the technicalities of electronic publication, which are fully documented at the site mentioned above. It will simply tell the tale of JACoW, the people involved and their adventures.

### ONCE UPON A TIME ...

As the era of electronic publication dawned in a world where the Web was still largely unknown, the PAC'95 and EPAC'96 editors prepared to embark upon totally new proceedings production methods using Adobe Acrobat software, then in its infancy, to digitize PostScript files (PS) to produce Post-

proceedings production since 1988, were encouraged by Steve Myers, CERN, a Chair of the early EPAC Organizing and Scientific Programme Committees, to prepare the way towards electronic publication of EPAC proceedings for publication on CD-ROM.

Since the first big event embarking on electronic publication was to be PAC'95, John and I asked Bob Siemann<sup>1</sup>, SLAC, the PAC'95 Scientific Programme Committee Chair, for permission to join the proceedings office team in Dallas, Texas and to visit SLAC following the conference to get hands on experience processing the contributions.

PAC'95 authors had been asked to hand in their contributions to the conference proceedings on diskettes together with a hard paper copy. Figures 1 and 2 show examples of a diskette and a CD-ROM for younger readers. More mature readers will be reminded of how much our tools and technology have



Figure 1: Reminder of what a diskette looked like in the mid-nineties.



**JACoW**  
Joint Accelerator Conferences Website  
<http://www.JACoW.org/>

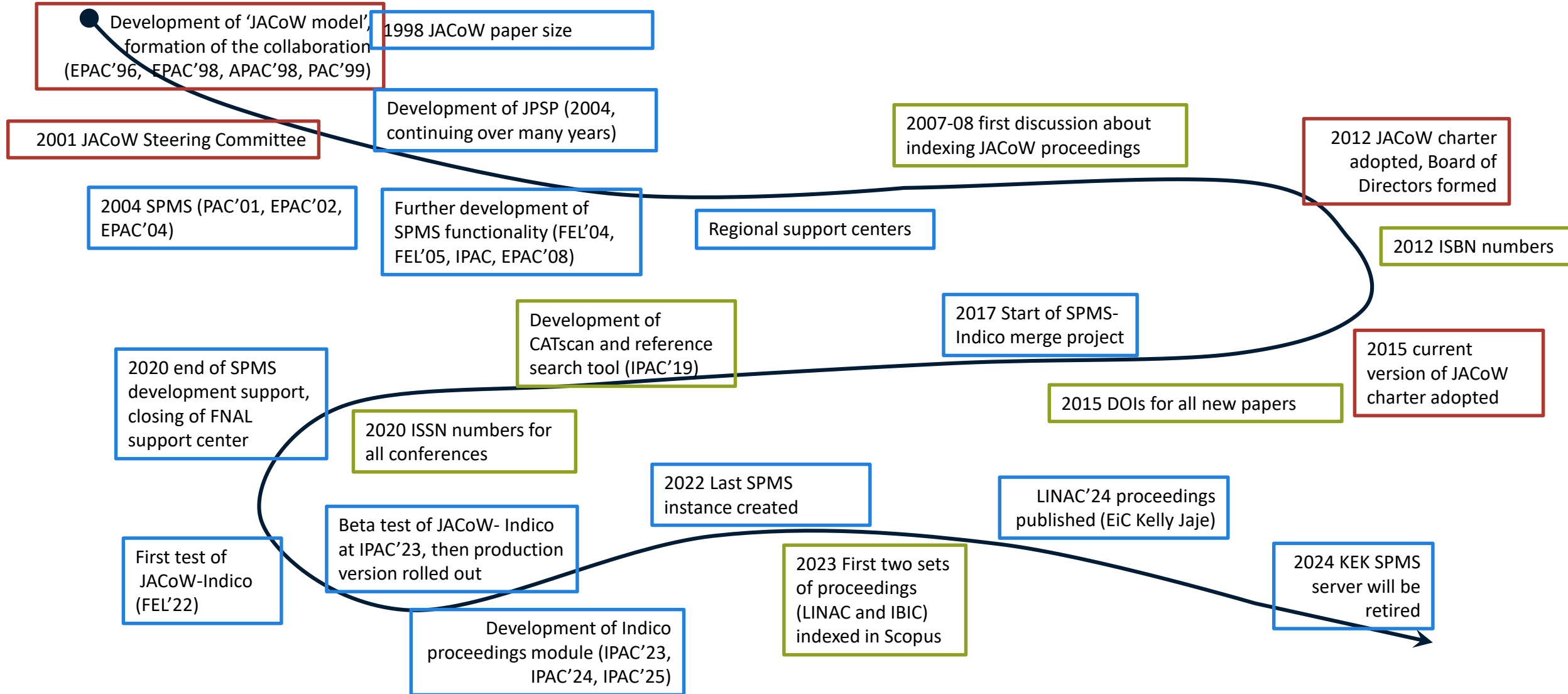
**A Short History, its Status and Aims**

John Poole  
Trieste, December 2003

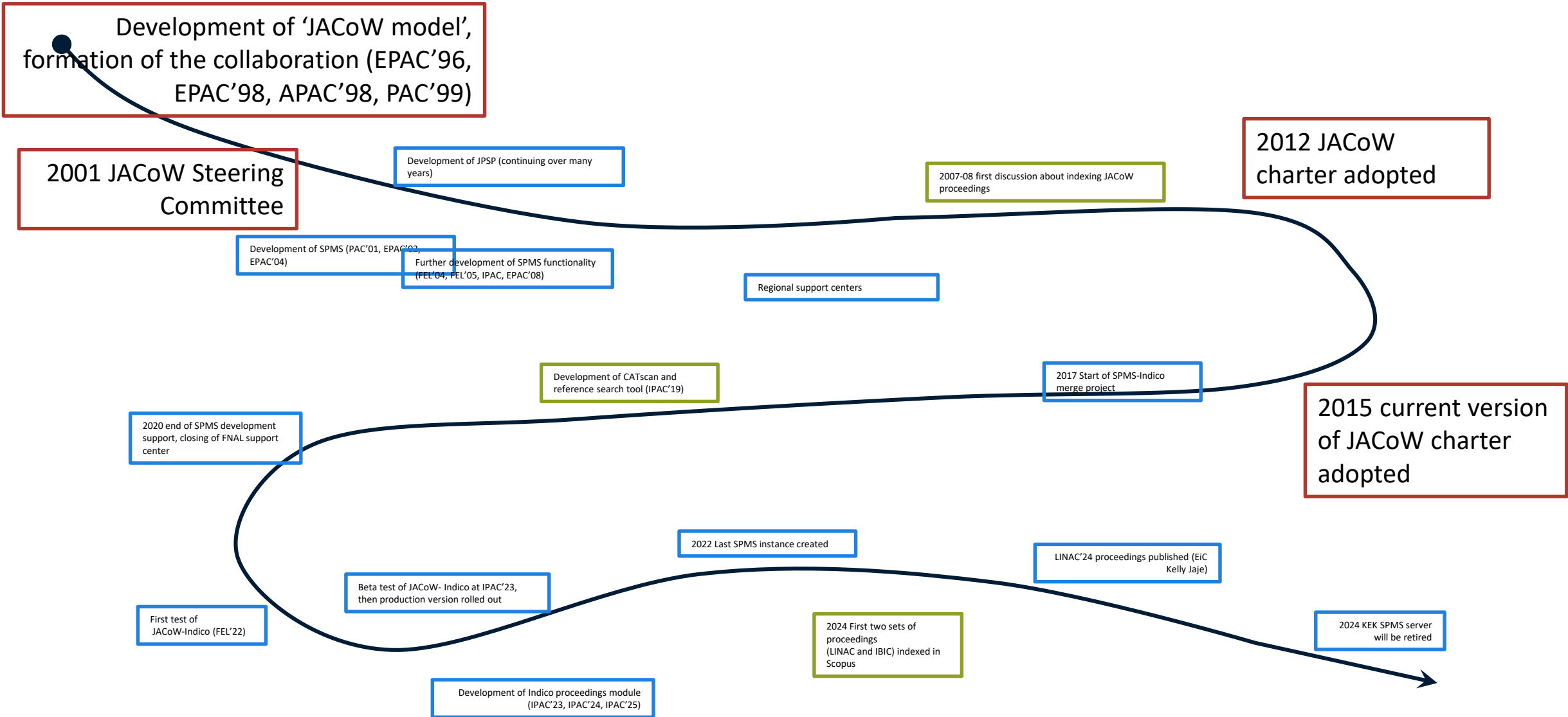
[http://epaper.kek.jp/jacow/TM\\_2003\\_Trieste/slides/Seminar-JP.pdf](http://epaper.kek.jp/jacow/TM_2003_Trieste/slides/Seminar-JP.pdf)

# The Evolution And Development of the JACoW Collaboration

# A TIMELINE OF JACoW EVOLUTION AND DEVELOPMENTS



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# INTRODUCTION OF JACOW CHARTER

Proceedings of the Team Meeting 2011, SINAP, Shanghai, China

## JACoW OPERATION AND ORGANISATION

John Poole, Aston juxta Mondrum, Nantwich, Cheshire CW5 6DU, UK

I now feel that as the founding chairman, I should probably have set up a more rigorous structure for the team. In the early years I was able to carry out many of the tasks myself and Christine was able to do most of the rest. I see that there are some areas where people need to be given the responsibility for certain activities, which up to now, were implicitly done by the Chairman and Coordinator. Furthermore, there is a risk of losing expertise as people retire. Finally there is a need for succession planning and to have a development plan for the Team. There are already several young and enthusiastic members of the team and they need to be encouraged to bring their new ideas and techniques to the collaboration and to play a more active part.

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2007	Volker RW Schaa	Ivan Andrian	Christine Petit-Jean-Genaz
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2019	Ivan Andrian	Todd Satogata	Christine Petit-Jean-Genaz
2020	Ivan Andrian	Dave Button	Christine Petit-Jean-Genaz
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2022	Meghan McAteer	Dave Button	Jana Thomson
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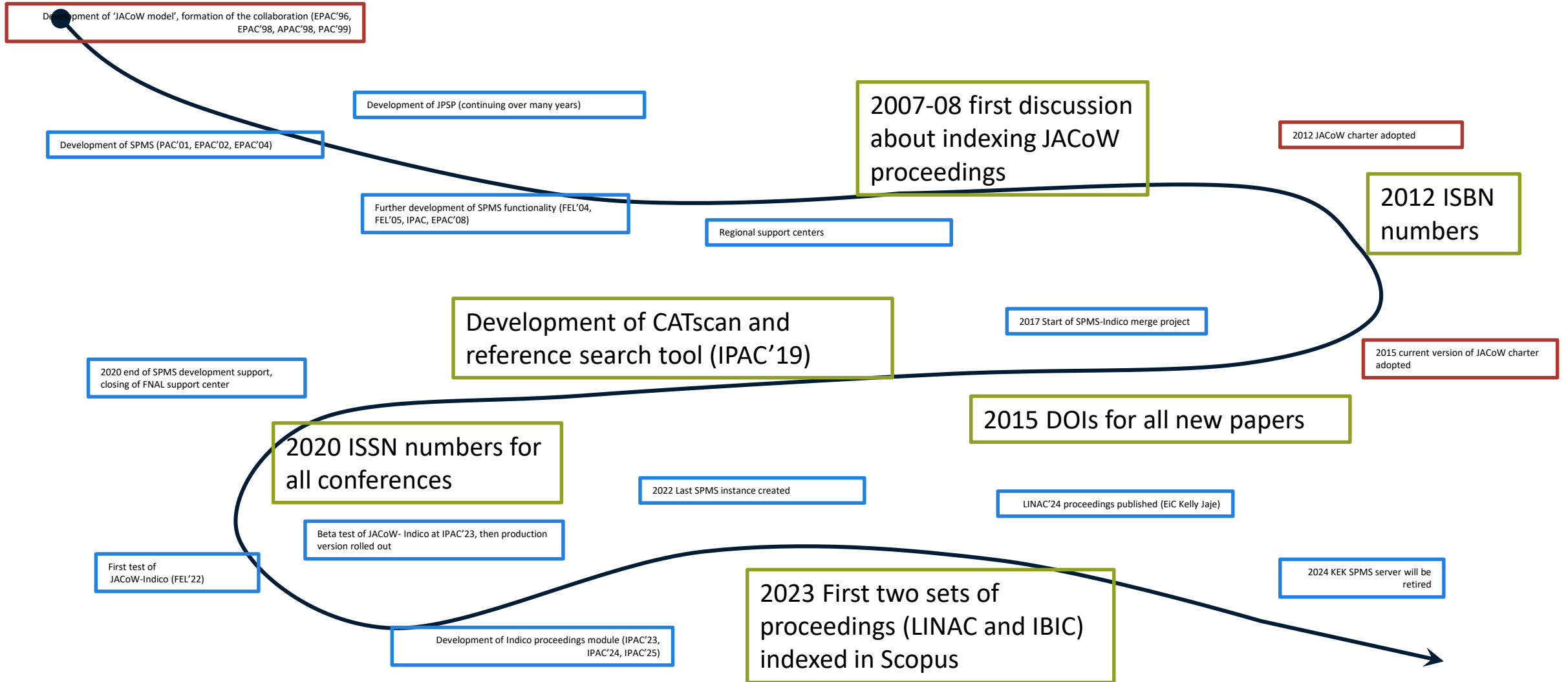
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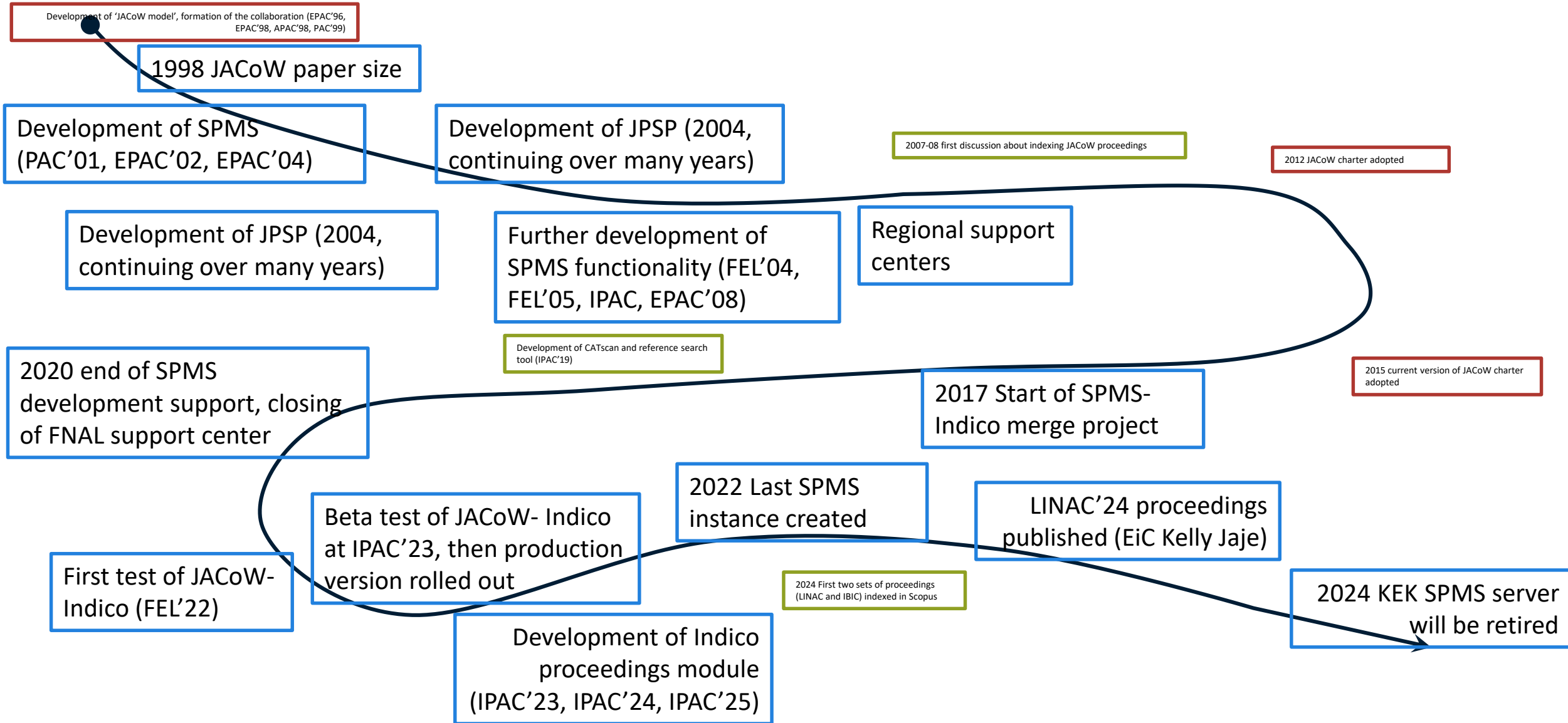
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# What's next?

# OUTLOOK FOR JACOW

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- Continuing efforts to strengthen and expand collaboration base
- Continuing developments to make processes more efficient and cost-effective



# Questions?

