

ISGC

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14/04/2021

ISGC Congress

ISGC is an international conference of green chemistry held every two years in La Rochelle since 2013. In the frame of the NETCONF research project we focus on several editions of the conference in order to study its structure and dynamics. we are interested in communications, panels, topics, participants and their geographical origin. We consider studying conferences can bring many insights on emergent scientific communities, both regarding their organisation and dynamics.

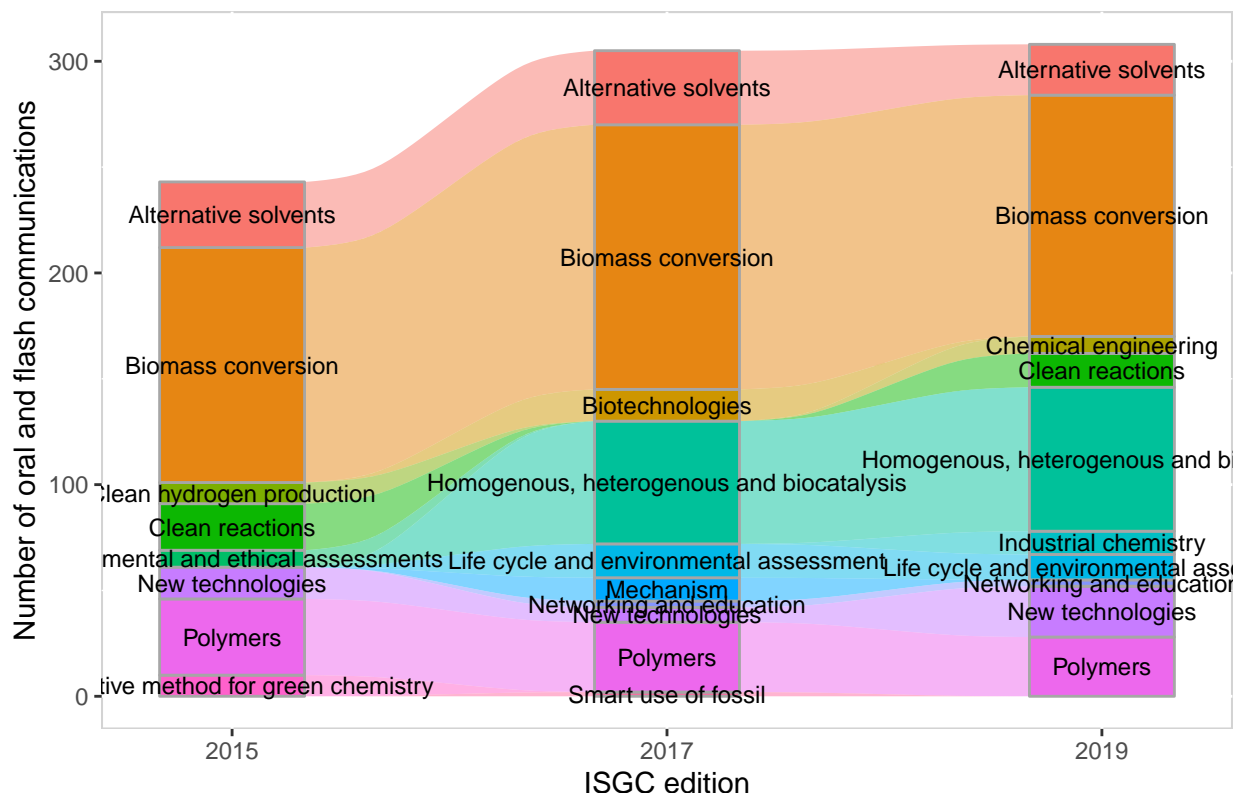
Topics

We first look at the topics associated to flash and oral communications given at the ISGC congress over time. We notice that Biomass conversion is the more popular topic. It attracted 80 communications at the 2019 edition. However, we notice that certain topics are not represented at every ISGC editions. It is notably the case of Biomass conversion which was not present at the 2017 edition. During the 2017 edition, it appears that Biomass conversion has been temporarily replaced by another category named Renewable carbon (see Table 1 below).

NA

According to François Jérôme, the main organiser of the ISGC conference, it is possible to associate certain similar topics so that we can better analyse trends in the popularity of ISGC topics over time. I refer to François Jérôme's suggestions to decide which topics can be grouped together on the basis of their similarity. Following this operation, we obtain 16 unique topics.

Number of communications per ISGC topic



We observe that 4 topics are present at each edition of the congress: Biomass conversion, Polymers, Alternative solvents, and New technologies. The 8 remaining topics are only present at one or two editions.

Participation

There are different ways of approaching the conference participation. It can be analysed using registration data or through the lens of communications' authors i.e. active participants. In the latter case, it is possible to filter the information to consider only the active participants who registered to the conference. Indeed, certain communications' co-authors did not attend the conference.

In what follows, we consider the participation through the lens of all communications' authors, whether they registered or not.

By counting all the speakers including industrials and keynote speakers over the 3 editions of the congress, we find a total of 3893 participants. Among them, 150 were represented at all editions, 3284 intervened to 1 edition only, (i.e. 84.36%), and 459 contributed to 2 editions.

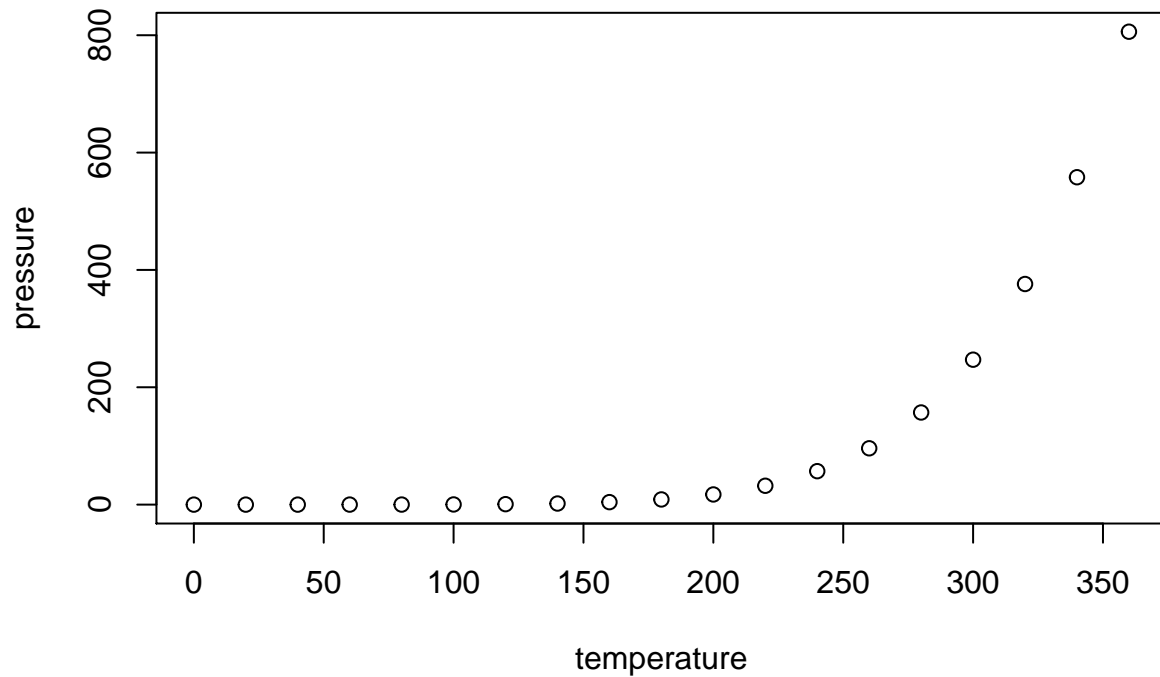
If we limit ourselves to participants to oral communications and flash communications panels, we find a total of 2411 participants. Among them, 94 were represented at all editions, 2034 intervened to 1 edition only, (i.e. 84.36%), and 283 contributed to 2 editions.

Overall, there had been 219 oral and flash communications distinct panels: 64 in 2015, 78 in 2017, and 77 in 2019.

In chemistry, most communications are the result of a team work. At ISGC, there is an average of 4.13 authors per oral and flash communications.

Linking communications according to common authors and topics

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.