C4 Open Item, C5 Tools; also, T1-T7 indicates the classifications of research type with T1 Conceptual Proposal, T2 Evaluation Research, T3 Experience Paper, T4 Open Item, T5 Opinion Paper, T6 Solution Proposal and T7 Validation Paper. The y-axis Level also indicates the Classifications.

As it can be seen from figure, the left side with majority of the existing research has focused on Models, while the rest of the categories in the research contribution classiﬁcation have received very less attention.

The left side in Figure 12 shows that the majority of publications in the research area models (C3) and methods (C1) research contributions. Whereas, the metrics (C2) and tools (C5) categories of the research contribution classiﬁcation have not received much attention. This is evident from the gaps as well as the small size of the bubbles in the left side of Figure 12. The largest bubble in the left side has a size of 579. This bubble indicates that there are 579 relevant publications that address the Models and Others pair.

The largest bubble in the right side has a size of 606. This bubble exists between the “Solution Proposal” and Others pair. It means that there are 606 relevant publications that address this pair. Note that the sum of the sizes of all bubbles in the- T6 bubble column (equals to 909) in Figure is same as the size of the largest bar (equals to 909) in Figure 12. This means, the T6 column of bubbles in Figure contains 0 duplicates. The same reasoning applies to the rest of the bubble columns in Figure 12. The lack of the number in T2 is required to be considered, for reliability and safety issue and more attention needs in this area.

# Appendix B Bibliography of related publications

|  |  |
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