

Status of New Articles for EXFOR Compilation (A7)

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The current status of new articles registered to the EXFOR Compilation Control System (X4CoCoS) was analysed for all projectiles (neutron, light-charged particle, heavy-ion, photon). The numbers of articles registered for compilation are shown in Table 1.

Table 1: Numbers of new articles for compilation (compiled + in compilation)

|       | ATOMKI | CAJaD | CDFE | CJD | CNDC | JCPRG | KNDC | NEADB | NDPCI | NDS | NNDC | UkrNDC |
|-------|--------|-------|------|-----|------|-------|------|-------|-------|-----|------|--------|
| 2004  | 12     | 36    | 8    | 20  | 0    | 53    | 3    | 123   | 3     | 30  | 73   | 6      |
| 2005  | 7      | 10    | 8    | 2   | 6    | 34    | 1    | 97    | 5     | 42  | 55   | 8      |
| 2006  | 16     | 15    | 7    | 7   | 8    | 38    | 0    | 122   | 11    | 42  | 56   | 3      |
| 2007  | 23     | 11    | 9    | 9   | 3    | 63    | 0    | 134   | 17    | 64  | 72   | 10     |
| 2008  | 13     | 8     | 9    | 10  | 1    | 38    | 2    | 81    | 26    | 64  | 67   | 13     |
| 2009  | 17     | 10    | 4    | 10  | 7    | 39    | 6    | 49    | 10    | 52  | 121  | 5      |
| 2010  | 12     | 21    | 11   | 9   | 25   | 37    | 8    | 80    | 18    | 46  | 62   | 6      |
| 2011  | 18     | 26    | 8    | 7   | 14   | 47    | 17   | 120   | 33    | 52  | 64   | 12     |
| 2012  | 24     | 19    | 5    | 14  | 10   | 39    | 5    | 75    | 24    | 22  | 83   | 9      |
| 2013  | 7      | 5     | 0    | 1   | 10   | 11    | 0    | 25    | 5     | 6   | 23   | 0      |
| Total | 149    | 161   | 69   | 89  | 84   | 399   | 42   | 906   | 152   | 420 | 676  | 72     |

In the following analysis, (1) heavy-ion induced reaction and photonuclear reaction data are excluded; (2) entries transmitted in final or preliminary files are considered; (3) articles published in Conference Proceedings are excluded because data are often preliminary and not available.

Figure 1 shows the completeness of compilation (# of compiled articles/# of registered articles).

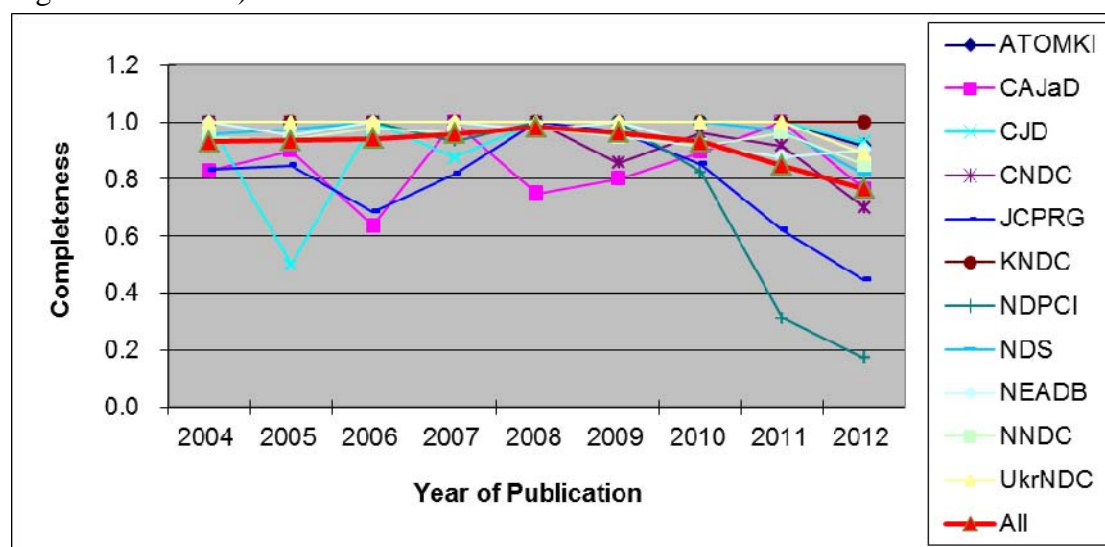
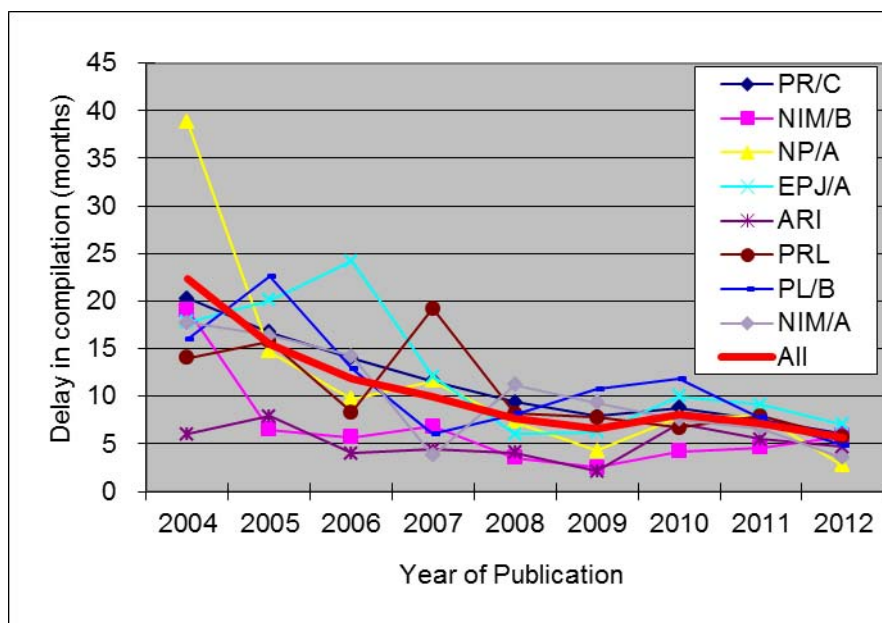


Fig.1: Completeness of compilation for each publication year

**Table 2** and **Fig. 2** show delay in compilation (= date of transmission – date of publication) for new articles published in selected journals (publishing 56% of all registered articles, see also appendix of the paper) and coded as the primary reference in new entries. Articles still missing in EXFOR are *not* considered. The averaged delay is **5.6 months** for articles published in 2012.

**Table 2:** Averaged delay in compilation for articles in selected journals

|      | PR/C | NIM/B | NP/A | EPJ/A | ARI | PRL  | PL/B | NIM/A | All        |
|------|------|-------|------|-------|-----|------|------|-------|------------|
| 2004 | 20.3 | 19.1  | 38.8 | 17.8  | 6.0 | 14.0 | 16.0 | 17.7  | 22.3       |
| 2005 | 16.7 | 6.5   | 14.7 | 20.1  | 7.9 | 15.8 | 22.6 | 16.4  | 15.5       |
| 2006 | 14.0 | 5.7   | 9.7  | 24.2  | 4.0 | 8.3  | 12.9 | 14.2  | 12.1       |
| 2007 | 11.6 | 6.8   | 11.6 | 12.1  | 4.4 | 19.2 | 6.0  | 3.8   | 9.9        |
| 2008 | 9.4  | 3.5   | 7.3  | 6.0   | 4.1 | 8.2  | 8.1  | 11.2  | 7.8        |
| 2009 | 7.9  | 2.5   | 4.3  | 6.2   | 2.1 | 7.8  | 10.7 | 9.3   | 6.6        |
| 2010 | 8.8  | 4.2   | 7.8  | 10.0  | 7.2 | 6.7  | 11.8 | 7.6   | 8.1        |
| 2011 | 7.5  | 4.6   | 8.0  | 9.1   | 5.5 | 7.9  | 7.7  | 6.6   | 7.2        |
| 2012 | 6.0  | 5.8   | 2.7  | 7.0   | 4.7 | 5.7  | 4.8  | 3.5   | <b>5.6</b> |



**Fig. 2:** Averaged delay in compilation for articles in selected journals

Figures 3 and 4 show distribution of delay in compilation for major journals and centres. Most probably each article is compiled between 3 to 6 months after publication.

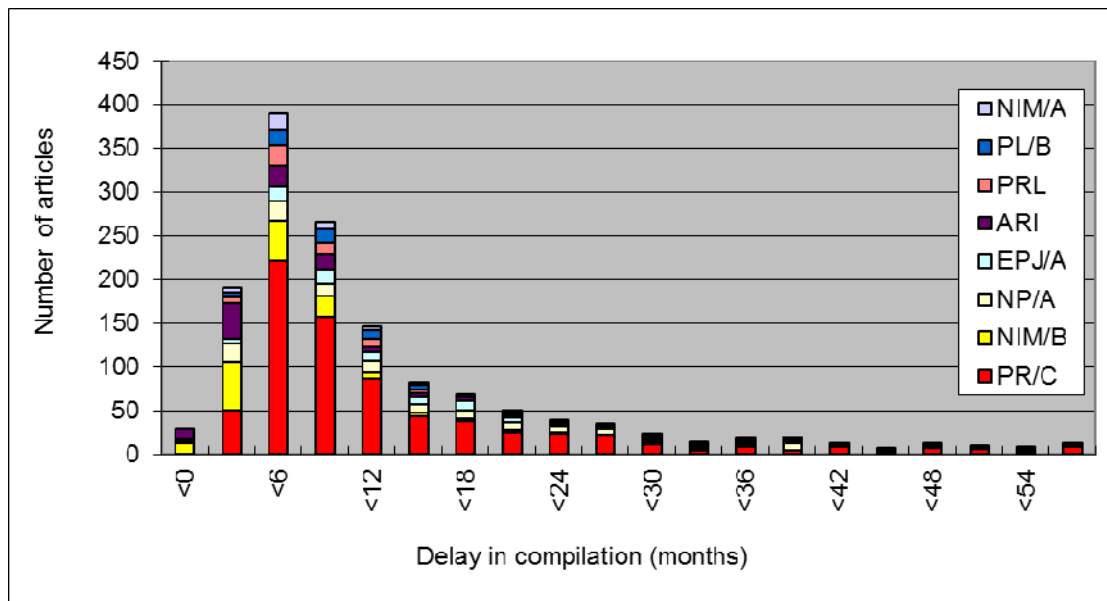


Fig. 3: Distribution of delay in compilation for each major journal (“<6” means compiled between 3 months and 6 months. “<0” means compiled in the month of publication or before publication.)

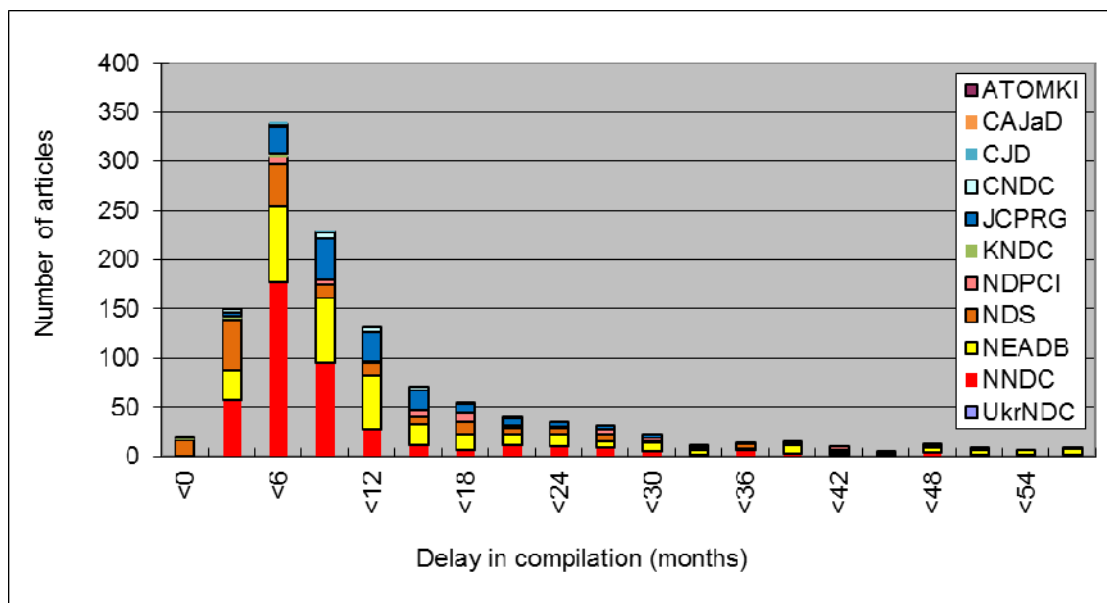


Fig. 4: Distribution of delay in compilation for each centre (“<6” means compiled between 3 months and 6 months. “<0” means compiled in the month of publication or before publication.)

**Appendix**

List of journals which published three or more articles for EXFOR compilation. All articles registered to X4CoCoS are counted.

| Journal | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | Sum |
|---------|------|------|------|------|------|------|------|-----|
| PR/C    | 101  | 99   | 116  | 109  | 113  | 128  | 36   | 702 |
| NIM/B   | 34   | 31   | 25   | 21   | 20   | 19   | 13   | 163 |
| NP/A    | 30   | 16   | 10   | 30   | 13   | 6    | 1    | 106 |
| EPJ/A   | 12   | 3    | 21   | 27   | 19   | 15   | 2    | 99  |
| ARI     | 14   | 18   | 18   | 17   | 9    | 14   | 4    | 94  |
| PRL     | 8    | 11   | 20   | 13   | 10   | 18   | 6    | 86  |
| AIP     | 0    | 12   | 39   | 19   | 9    | 5    | 0    | 84  |
| KPS     | 7    | 3    | 0    | 0    | 67   | 1    | 0    | 78  |
| PAN     | 9    | 16   | 9    | 15   | 13   | 12   | 2    | 76  |
| PL/B    | 10   | 10   | 9    | 9    | 11   | 15   | 3    | 67  |
| NIM/A   | 8    | 8    | 7    | 8    | 12   | 4    | 5    | 52  |
| BAS     | 4    | 9    | 6    | 9    | 14   | 8    | 0    | 50  |
| JP/CS   | 0    | 2    | 0    | 1    | 14   | 16   | 12   | 45  |
| JRN     | 6    | 3    | 7    | 11   | 11   | 7    | 0    | 45  |
| EPJ/CS  | 0    | 0    | 0    | 19   | 11   | 11   | 2    | 43  |
| RCA     | 7    | 5    | 8    | 5    | 7    | 5    | 2    | 39  |
| JP/G    | 3    | 9    | 7    | 8    | 7    | 2    | 0    | 36  |
| NSE     | 7    | 9    | 6    | 3    | 2    | 5    | 0    | 32  |
| NST     | 5    | 4    | 1    | 5    | 4    | 3    | 1    | 23  |
| ANE     | 1    | 4    | 4    | 1    | 6    | 4    | 1    | 21  |
| IMP/E   | 0    | 6    | 3    | 1    | 10   | 1    | 0    | 21  |
| CPL     | 2    | 1    | 3    | 4    | 4    | 1    | 0    | 15  |
| JPJ     | 2    | 3    | 2    | 1    | 3    | 1    | 1    | 13  |
| EPJ/ST  | 11   | 0    | 0    | 0    | 0    | 0    | 0    | 11  |
| AE/T    | 0    | 0    | 3    | 0    | 4    | 2    | 0    | 9   |
| APP/B   | 0    | 1    | 0    | 1    | 0    | 2    | 5    | 9   |
| PPN/L   | 0    | 0    | 2    | 2    | 1    | 4    | 0    | 9   |
| PRM     | 4    | 0    | 1    | 2    | 0    | 1    | 0    | 8   |
| RM      | 0    | 1    | 1    | 4    | 1    | 1    | 0    | 8   |
| NSTS    | 0    | 7    | 0    | 0    | 0    | 0    | 0    | 7   |
| IPC     | 0    | 1    | 0    | 2    | 0    | 2    | 1    | 6   |
| NSTP    | 0    | 0    | 0    | 0    | 5    | 0    | 0    | 5   |
| IZV     | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 3   |
| JLCR    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 3   |
| ND/B    | 0    | 0    | 0    | 3    | 0    | 0    | 0    | 3   |
| UFZ     | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 3   |