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SCOAP³ – Particle Physicists pave the Golden Road

Anja Lengenfelder

Max Planck Digital Library

Open Access Day 2010, Universität Wien, Vienna, March 25th, 2010

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Overview

The SCOAP³ model

Max Planck and SCOAP³

SCOAP³ in Germany

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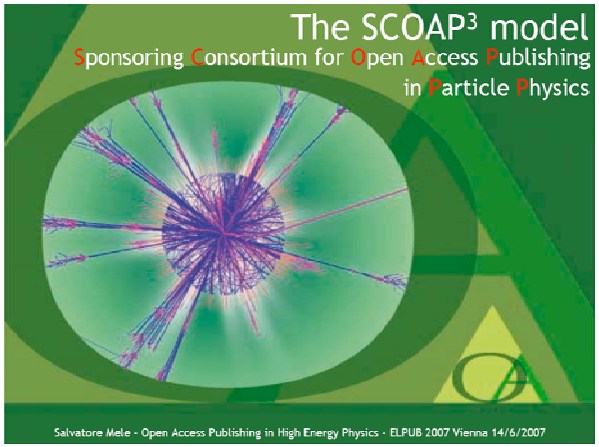
SCOAP³

Sponsoring Consortium for Open Access Publishing in Particle Physics

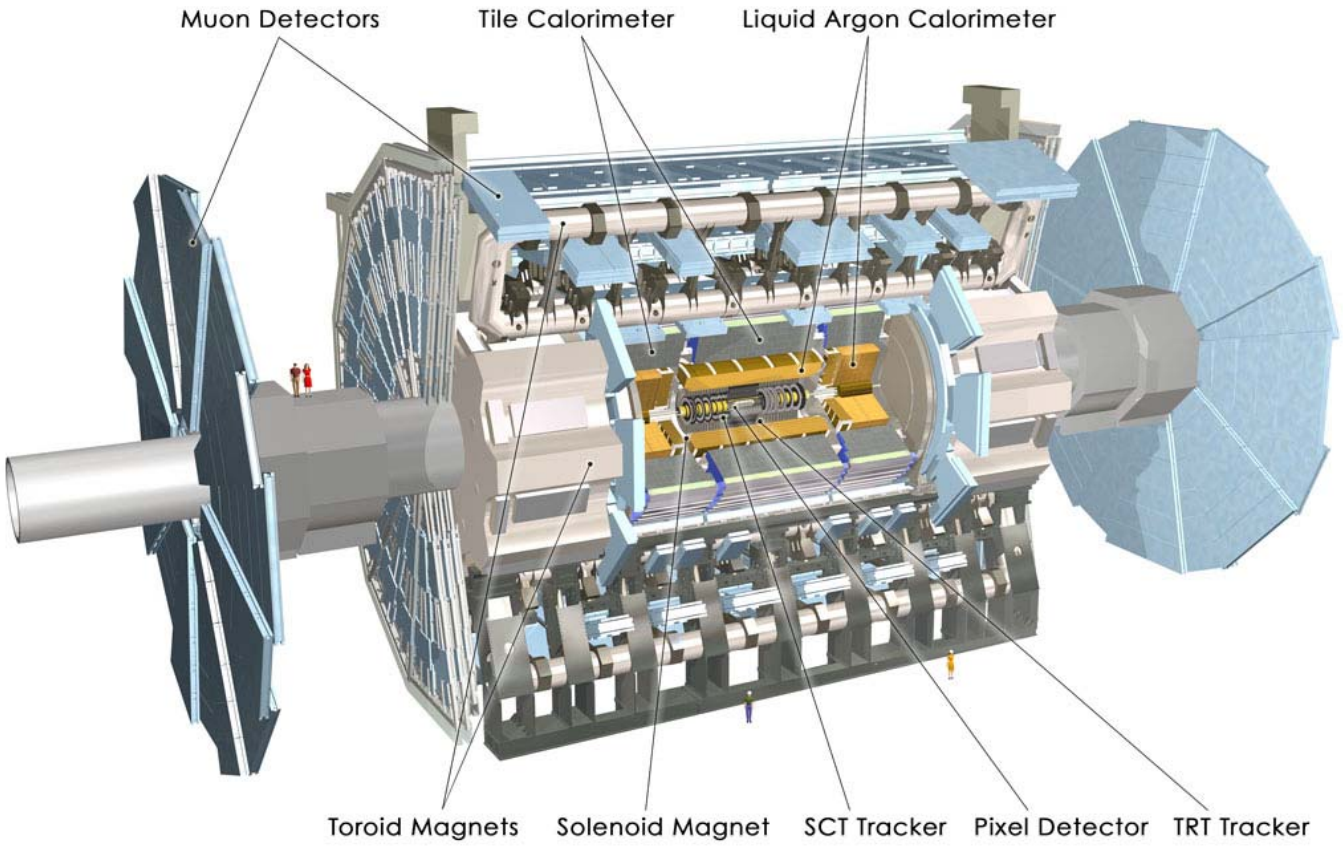
SCOAP³ - Background

- Community-wide initiative
- LHC (Large Hadron Collider) experiments currently running
- Small community (30000 scientists)
- Long OA tradition (arXiv)
- Few HEP (High Energy Physics) journals (10)

➔ ~100 % Green OA without mandate



The LHC – Atlas experiment



HEP papers on arXiv.org

arXiv.org > hep-ex

High Energy Physics - Experiment

Authors and titles for recent submissions

- Tue, 23 Mar 2010
- Mon, 22 Mar 2010
- Fri, 19 Mar 2010
- Thu, 18 Mar 2010
- Wed, 17 Mar 2010

[total of 25 entries: **1-25**]
[showing 25 entries per page: fewer | more]

Tue, 23 Mar 2010

[1] arXiv:1003.4220 [pdf]

Proceedings of the First International Workshop on Multiple Partonic Inte

R. Bernhard, R. Field, R. Chierici, M. Cacciari, A. Moraes, M. Strikman, D. Treleani, T.C. Ro Marti, F. Sikler, K. Krajczar, F. Ambroglini, P. Bartalini, L. Fano', F. Bechtel, W. Bell, A. Trico Oetringhaus, A. Carbone, D. Galli, U. Marconi, S. Perazzini, V. Vagnoni, F. Ferro, L. Frankfu Kowalski, M. Gallinaro, L. Frankfurt, A. Solano, M. Arneodo, M. Campanelli, B. Blok, L. Fran Gieseke, M.H. Seymour, R. Corke, K. Werner, T. Pierog, S. Porteboeuf, H. Hoeth, P. Skand Estienne, K. Reygers

Comments: MPI08 international workshop has been held in October 27-31, 2008, Perugia, Italy - 349 pages
Journal-ref: DESY-PROC-2009-06
Subjects: **High Energy Physics - Experiment (hep-ex)**

[2] arXiv:1003.4038 [pdf, ps, other]

CMS experiment at the LHC: Commissioning and early physics

A. Safonov (A. Safonov for CMS Collaboration)

Comments: To appear in the Proceedings of the 21st Rencontres de Blois: Windows on the Universe, Blois, F
Subjects: **High Energy Physics - Experiment (hep-ex)**; Instrumentation and Detectors (physics.ins-det)

[3] arXiv:1003.4033 [pdf, ps, other]

Searches for New Neutral Gauge Bosons and Leptoquarks at the Tevatro

A. Safonov (A. Safonov for CDF and D0 Collaborations)

Comments: Proceedings of the XVII International Workshop on Deep-Inelastic Scattering and Related Topics (DIS-2009), April 26-30, 2009 Madrid, Spain

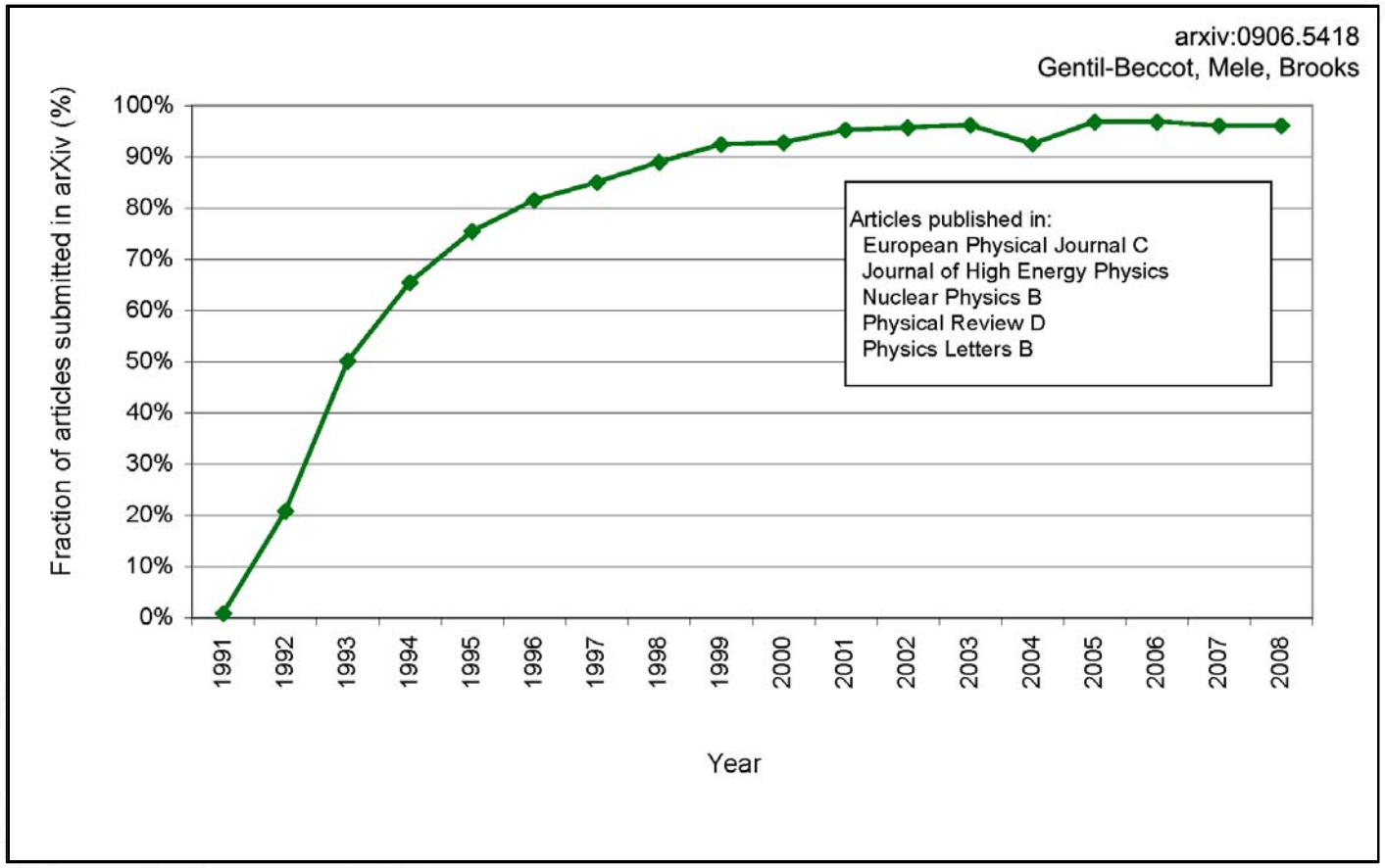
ALICE Collaboration: First proton–proton collisions at the LHC as observed with the ALICE...
arXiv: 0911.5430 [hep-ex]

First proton–proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $\sqrt{s} = 900$ GeV

ALICE collaboration

K. Aamodt[78], N. Abel[42], U. Abeysekara[30], A. Abrahantes Quintana[42], A. Acero[63], D. Adamová[66], M.M. Aggarwal[25], G. Aglieri Rinella[40], A.G. Agocs[18], S. Aguilar Salazar[66], Z. Ahammed[55], A. Ahmad[2], N. Ahmad[2], S.U. Ahn[201], R. Akimoto[100], A. Akindinov[68], D. Aleksandrov[70], B. Alessandro[102], R. Alfaro Molina[66], A. Alici[13], E. Almaráz Aviña[66], J. Alme[8], T. Alt[43ii], V. Altini[5], S. Altinpinar[52], C. Andrei[17], A. Andronic[32], G. Anelli[40], V. Angelov[43ii], C. Anson[27], T. Antičić[113], F. Antinori[40iii], S. Antinori[13], K. Antipin[37], D. Antończyk[37], P. Antonioli[14], A. Anzo[66], L. Aphecetche[73], H. Appelshäuser[37], S. Arcelli[13], R. Arceo[66], A. Arend[37], N. Armesto[92], R. Arnaldi[102], T. Aronsson[74], I.C. Arsene[78v], A. Asryan[98], A. Augustinus[40], R. Averbeck[32], T.C. Awes[76], J. Äystö[46], M.D. Azmi[2], S. Bablok[8], M. Bach[36], A. Badalà[24], Y.W. Baek[501], S. Bagnasco[102], R. Bailhache[32v], R. Bala[101], A. Baldisseri[89], A. Baldit[26], J. Bán[53], R. Barbera[22], G.G. Barnaföldi[18], L. Barnby[12], V. Barret[26], J. Bartke[99], F. Barile[5], M. Basile[13], V. Basmanov[94], N. Bastid[26], B. Bathen[72], G. Batigne[73], B. Batyunya[35], C. Baumann[72v], I.G. Bearden[28], B. Becker[20vi], I. Belikov[99], R. Bellwied[34], E. Belmont-Moreno[66], A. Belogianni[4], L. Benhabib[73], S. Beole[101], I. Berceanu[17], A. Bercuci[32vii], E. Berdermann[32], Y. Berdnikov[39], L. Betev[40], A. Bhasin[48], A.K. Bhati[25], L. Bianchi[101], N. Bianchi[38], C. Bianchin[79], J. Bielčík[31], J. Bielčíková[66], A. Bilandzic[3], L. Bimbot[77], E. Biolcati[101], A. Blanc[26], F. Blanco[23viii], F. Blanco[63], D. Blau[70], C. Blume[37], M. Boccioli[40], N. Bock[27], A. Bogdanov[69], H. Bøggild[28], M. Bogolyubsky[83], J. Böhm[96], L. Boldizsár[18], M. Bombara[12ix], C. Bombonati[79x], M. Bondila[49], H. Borel[89], V. Borshchov[51], C. Bortolin[79], S. Bose[54], L. Bosisio[103], F. Bossú[101], M. Botje[3], S. Böttger[43], G. Bourdaud[73], B. Boyer[77], M. Braun[98], P. Braun-Munzinger[32,31ii], L. Bravina[78], M. Bregant[103xi], T. Breitner[43], G. Bruckner[40], R. Brun[40], E. Bruna[74], G.E. Bruno[5], D. Budnikov[94], H. Buesching[37], K. Bugaev[52], P. Buncic[40], O. Busch[44], Z. Buthelezi[22], D. Caffarri[79], X. Cai[111], H. Caines[74], E. Camacho[64], P. Camerini[103], M. Campbell[40], V. Canoa Roman[40], G.P. Capitani[38], G. Cara Romeo[14], F. Carena[40], W. Carena[40], F. Carminati[40], A. Casanova Díaz[38], M. Caselle[40], J. Castillo Castellanos[89], J.F. Castillo Hernandez[22], V. Catanescu[17], E. Cattaruzza[103], C. Cavicchioli[40], P. Cerello[102], V. Chambert[77], B. Chang[96], S. Chapeland[40], A. Charpy[77], J.L. Charvet[89], S. Chattopadhyay[54], S. Chattopadhyay[55], M. Cherney[30], C. Cheshkov[40], B. Cheynis[62], E. Chiavassa[101], V. Chibante Barroso[40], D.D. Chinellato[21], P. Chochula[40], K. Choi[85], M. Chojnacki[106], P. Christakoglou[106], C.H. Christensen[28], P. Christiansen[61], T. Chujo[105], F. Chuman[45], C. Cicalo[20], L. Cifarelli[13], F. Cindolo[14], J. Cleymans[72], O. Cobanoglu[101], J.-P. Coffin[99], S. Coli[102], A. Colla[40], G. Conesa Balbastre[38], Z. Conesa del Valle[73xii], E.S. Conner[110], P. Constantin[44], G. Contin[103x], J.G. Contreras[64], Y. Corrales Morales[101], T.M. Cormier[34], P. Cortese[1], I. Cortés Maldonado[84], M.R. Cosentino[21], F. Costa[40], M.E. Cotallo[63], E. Crescio[64], P. Crochet[26], E. Cuautle[65], L. Cunqueiro[38], J. Cussonneau[73], A. Dainese[19iii], H.H. Dalsgaard[28], A. Danu[16], I. Das[54], S. Das[54], A. Dash[12], S. Dash[11], G.O.V. de Barros[93], A. De Caro[90], G. de Cataldo[45xiii], J. de Cuveland[43ii], A. De Falco[19], M. de Gaspari[44], J. de Groot[40], D. De Gruttola[90], A.P. de Haas[106], N. De Marco[102], R. de Rooij[106], S. De Pasquale[90], G. de Vaux[22], H. Delagrange[73], G. Dellacasa[1], A. Deloff[107], V. Demanov[94], E. Dénes[18], A. Deppman[93], G. D'Erasmo[5], D. Derkach[98], A. Devaux[26], D. Di Bari[5], C. Di Giglio[5x], S. Di Liberto[88], A. Di Mauro[40], P. Di Nezza[38], M. Dialinas[73], L. Díaz[65], R. Díaz[49], T. Dietel[72], H. Ding[111], R. Divià[40], Ø. Djuvsland[8], G. do Amaral Valdiviesso[21], V. Dobretsov[70], A. Dobrin[61], T. Dobrowolski[107], B. Dönigus[32], I. Domínguez[65], D.M.M. Don[46], O. Dordic[78], A.K. Dubey[55], J. Dubuisson[40], L. Ducroux[62], P. Dupieux[26], A.K. Dutta Majumdar[54], M.R. Dutta Majumdar[55], D. Elia[6], D. Emschermann[44xiv], A. Enokizono[76], B. Espagnon[77], M. Estienne[73], D. Evans[12], S. Evrard[40], G. Eyyubova[78], C.W. Fabjan[40xv], D. Fabris[79], J. Faivre[41], D. Falchieri[13], A. Fantoni[38], M. Fasel[32], R. Fearick[22], A. Fedunov[35], D. Fehlker[8], V. Fekete[15], D. Felea[16], B. Fenton-Olsen[26xvi], G. Feofilov[98], A. Fernández Téllez[84], E.G. Ferreiro[92], A. Ferretti[101], R. Ferretti[13xvii], M.A.S. Figueredo[93], S. Filchagin[94], R. Fini[6], F.M. Fionda[5], E.M. Fiore[5], M. Floris[19x], Z. Fodor[18], S. Foertsch[22], P. Foka[32], S. Fokin[70], F. Formenti[40], E. Fragiacomo[104], M. Fragkiadakis[4], U. Frankenfeld[32], A. Frolov[75], U. Fuchs[40], F. Furano[40], C. Furget[41], M. Fusco Girard[90], J.J. Gaardhøje[28], S. Gadrat[41], M. Gagliardi[101], A. Gago[64xvii], M. Gallio[101], P. Ganoti[4], M.S. Ganti[55], C. Garabatos[32], C. García Trapaga[101], J. Gebelein[43], R. Gemme[1], M. Germain[73], A. Gheata[40], M. Gheata[40], B. Ghidini[5], P. Ghosh[55], G. Giraudo[102], P. Giubellino[102], E. Gladysz-Dziadus[99], R. Glasow[72xix], P. Glässel[44], A. Glenn[60], R. Gomez[11], H. González Santos[84],

Content of HEP Journals in arXiv.org



HEP Scientists Search Habits

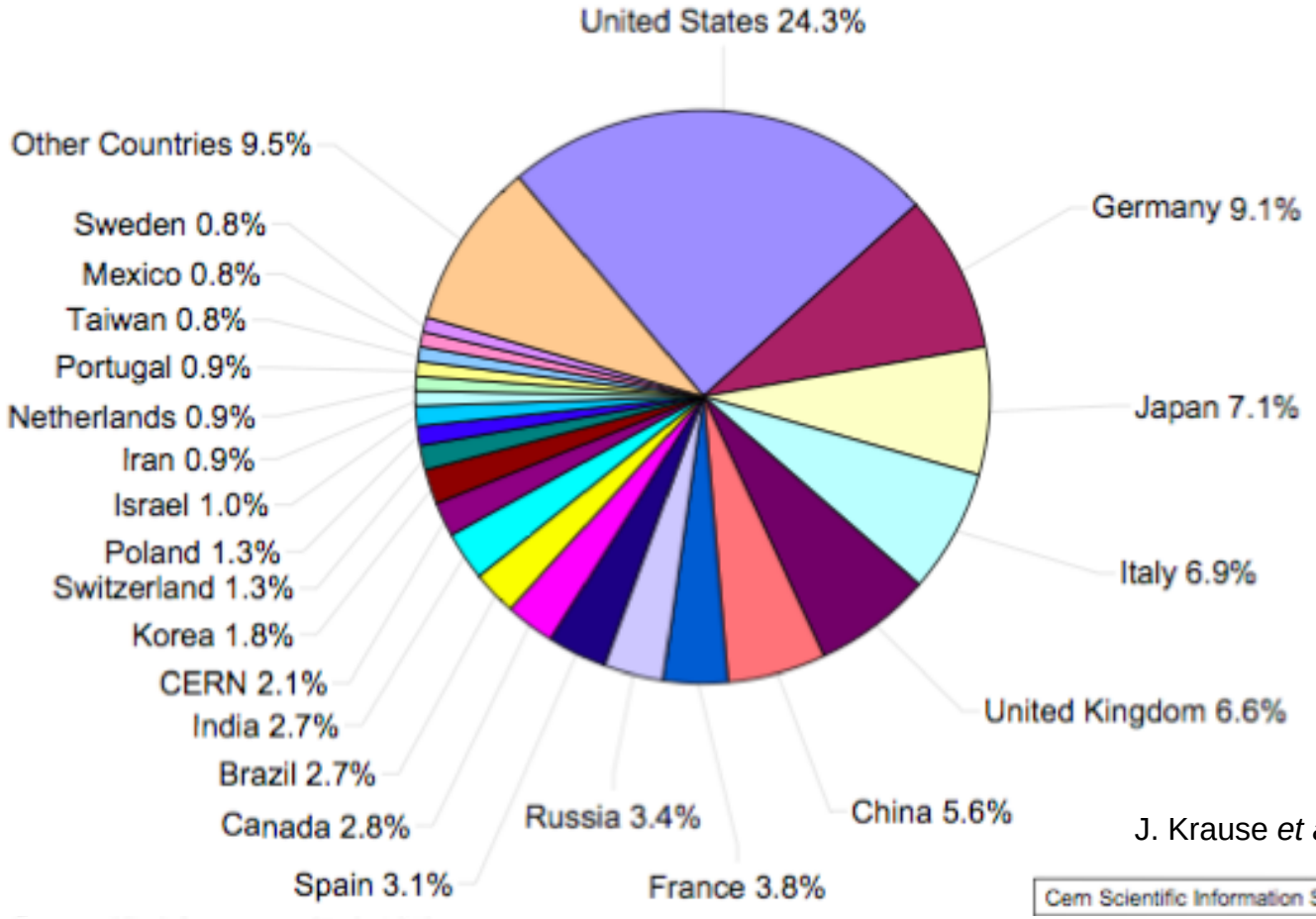
Gentil-Beccot *et al.* arxiv:0804.2701

Aim of SCOAP³

- Convert entire HEP literature to OA in partnership with publishers
- Preserve quality standards (peer-review)
- Re-direct money spent on subscription to SCOAP³
- Transparent transformation of OA
- Wide distribution (e.g. IR of HEP institutions)

➔ approx. 10 Mio € as a budget envelope

SCOAP³ Fair-Share Model



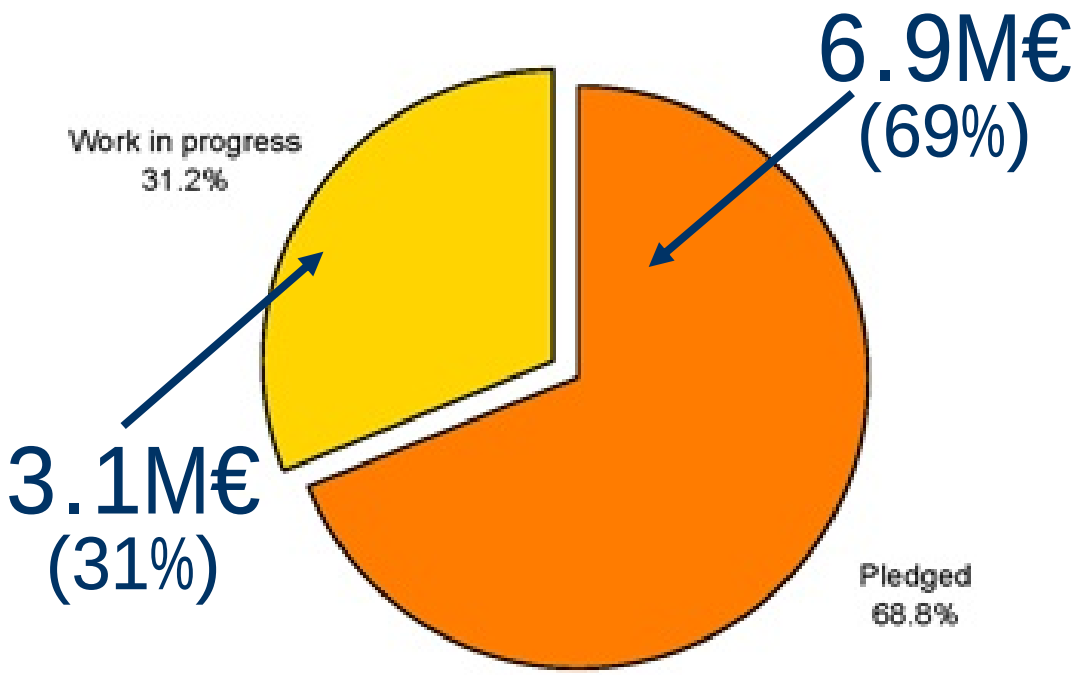
J. Krause *et al.* CERN-OPEN-2007-014

Current Status

- SCOAP³ Working Party Report published
- Solicit and collect expressions of interest of potential funding partners
- Funding partners identify country-by-country schemes to re-direct journal subscriptions to SCOAP³

➔ 69% of the SCOAP3 budget envelope pledged by libraries, consortia and funders worldwide

SCOAP³ Partnership



Intense conversations with Brazil, Russia, China, India and Japan !

Austria	**Italy**
Belgium	**Netherlands**
CERN	**Norway**
Denmark	**Portugal**
France	**Romania**
Finland	**Slovakia**
Germany	**Sweden**
Greece	**Switzerland**
Hungary	**Spain**
	JISC (UK)
Australia	**Israel,**
	Turkey

Canada

>150 U.S. libraries (95%)

Next steps

- Geopolitical distribution of partnerships
- Send a tender to publishers and
  - determine final budget;
  - enlist remaining partners
- Establish an international Governing Board
- Formal agreement to establish SCOAP³

➔ Goal: sending out tender as soon as possible

SCOAP³ Call for tender

Request price-per-article for peer-review & OA

- OA conditions
  - Irreversible OA
  - Author rights (also for figures and tables)
  - Push into repositories (full text and metadata)
- Financial conditions:
  - Unbundling of journal packages
  - Reduction of subscription prices
  - No double payment

➔ Transparency and competition

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Max Planck and SCOAP³

Berlin Declaration (2003) claims

"…free, irrevocable, worldwide, right of access to, and a license to copy, use, distribute, transmit and display the work publicly and to make and distribute derivative works, in any digital medium for any responsible purpose…"

Max Planck and OA Gold

- Since 2005 central budget within MPDL for subscription and publication fees
- Joining SCOAP³ in 2006: Members of Working Party Report and German partner
- Exploring OA Gold models
  - Central agreements with OA publishers
  - Pilot with Springer on Open Choice (2008-2009)
- EU Project „Study of Open Access Publishing“ (SOAP) (2009-2011), http://project-soap.eu/

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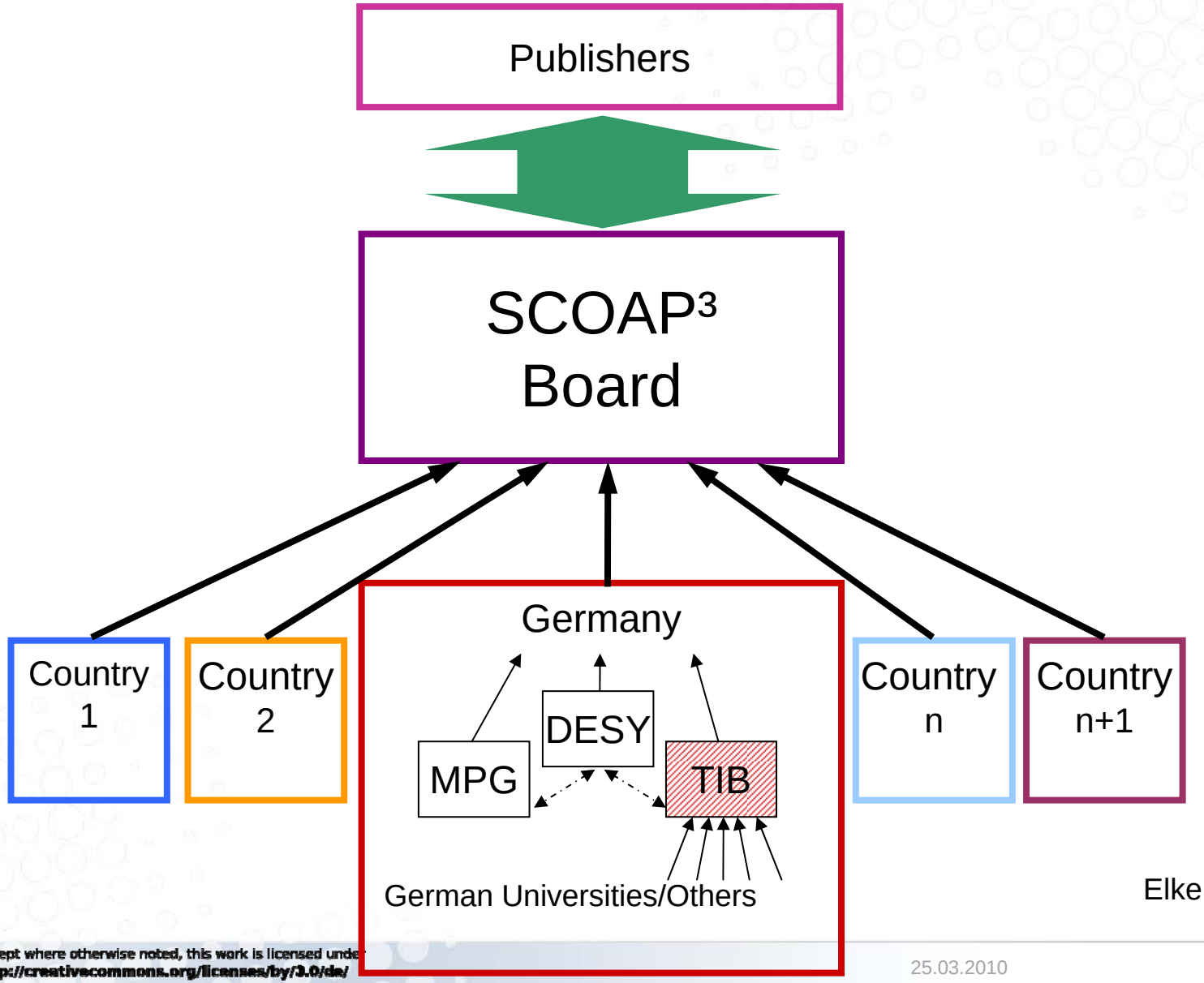
SCOAP³ in Germany

The German SCOAP³ Partners

- Two large research organizations: DESY and Max Planck
- Consortium of German universities: SCOAP³-DH
  - DFG project
  - Co-ordinated by TIB Hannover

- Support and information campaign German HEP community:
  - „Komitee für ElementarTeilchenphysik“ (KET)
  - Helmholtz-Allianz „Physics at the Terascale“
  - „Working Group Information (AGI)“ of the DPG
  - German OA information platform www.open-access.net



Elke Brehm, 2010

Links

- SCOAP³ Website
  http://scoap3.org
- SCOAP³ Working Party Report
  http://cern.ch/oa/Scoap3WPReport.pdf
- Max Planck Digital Library
  http://www.mpdl.mpg.de/

Contact SCOAP³

✉ Salvatore.Mele@cern.ch

Thank you very much for your attention!

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