

The image features a cluster of vibrant pink flowers with green buds and leaves against a clear blue sky. A stylized black logo, resembling a curved line or a checkmark, is positioned over the flowers. Below the flowers, the text "SciELO 20 Years" is displayed in a serif font, with "SciELO" in red and "20 Years" in black. A thin red line underlines "SciELO".

SciELO 20 Years

SciELO Network Meeting - 24-25 set 2018
International Conference - 26-28 set 2018

*Come to where quality, innovation
and Open Access flourish*

www.scielo20.org

globalization
and inclusiveness
of scholarly communication

SciELO

transition to open science

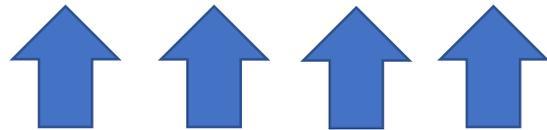
Abel L Packer

Director of SciELO / FAPESP Program

OPERAS - "Open Scholarly Communication
in Europe. Addressing the Coordination
Challenge" 31 May – 1 June 2018, National
Documentation Centre (EKT/NHRF), Athens

2016 Scientific Production - Latin America in the World, by Scimago/Scopus

Region - Country	docs	% docs	rank docs	% docs region	% docs cited	cites/doc	rank cites/doc	journals	% journals	% journals / % docs	docs in journals of	% docs in journals of
World	2 773 201	100.0%			0.311			22 856	100%	1.00	2 773 201	100%
Wester Europe	771 150	27.8%			0.392			11 021	48%	1.73	1 176 316	42%
USA	591 793	21.3%	1		0.395	1.23	23	5 956	26%	1.22	670 928	24%
Latin America	129 515	4.67%			0.296			750	3%	0.70	40 318	1.5%
Brazil	68 908	2.48%	14	53.2%	0.301	0.81	41	339	1.5%	0.60	23 404	0.8%
Mexico	21 005	0.76%	28	16.2%	0.296	0.77	45	103	0.5%	0.59	3 644	0.1%
Argentina	12 864	0.46%	43	9.9%	0.338	0.94	32	55	0.2%	0.52	2 001	0.1%
Chile	12 448	0.45%	48	9.6%	0.358	1.12	27	89	0.4%	0.87	3 838	0.1%
Colombia	9 481	0.34%	44	7.3%	0.251	0.79	44	84	0.4%	1.07	3 453	0.1%



96.2%

SciELO: 1.285 journals in 2018
 Latindex: ~5.500 journals – catalogue
 ~16.000 journals - directory



2016 Scientific Production impact - Latin America in the World, by Scopus

Region - country	Q1	Q2	Q3	Q4
USA	41%	27%	18%	15%
Western Europe	35%	28%	21%	17%
Chile	8%	26%	39%	27%
Brazil	4%	25%	43%	27%
Latin America	3%	18%	40%	38%
Colombia	1%	14%	36%	49%
Mexico	1%	10%	39%	50%
Argentina	0%	9%	35%	56%



SciELO, 2017

Documents by language of publication

pais	docs	inglês	outro	português	espanhol
Brazil	22 421	69%	0%	49%	4%
Espanha	2 040	34%	0%	0%	65%
Chile	4 270	25%	0%	1%	74%
Portugal	1 441	24%	1%	68%	7%
Equador	9	22%	0%	0%	78%
Colombia	5 850	22%	0%	3%	75%
Costa Rica	958	15%	0%	1%	83%
México	4 120	15%	0%	0%	85%
Argentina	2 239	6%	0%	2%	92%
Peru	1 171	5%	0%	2%	92%
Bolívia	153	5%	0%	0%	95%
Venezuela	194	5%	0%	1%	94%
Cuba	1 663	3%	0%	1%	97%
Uruguay	586	1%	0%	5%	93%

SciELO, 2017

Articles by foreign authorship affiliation

País	artigos	% afiliação no exterior
ARGENTINA	1 675	71%
CHILE	3 681	51%
COLOMBIA	4 936	36%
MEXICO	2 858	35%
BRAZIL	20 131	18%

SciELO, 2017

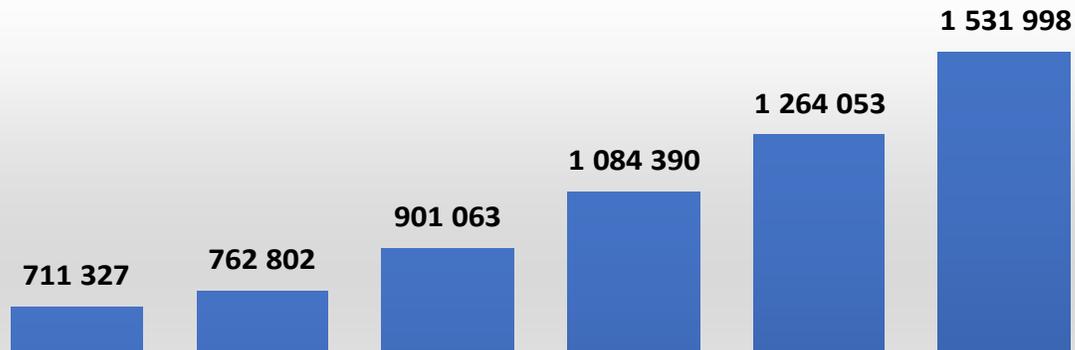
Granted citations by type of cited document

país	periódicos	Citações concedidas								
		todas concedidas	a periódicos						livros	outros
			todas a periódicos	% a periódicos	WoS não SciELO	All WoS	SciELO não WoS	All SciELO		
Argentina	91	48 246	26 458	55%	55%	59%	3%	7%	29%	16%
Bolivia	19	5 491	2 266	41%	44%	48%	7%	11%	25%	34%
Brazil	291	660 710	441 569	67%	58%	68%	5%	15%	22%	11%
Chile	101	123 591	73 100	59%	58%	62%	3%	7%	27%	13%
Colombia	202	175 220	101 264	58%	53%	57%	4%	9%	27%	14%
Costa Rica	32	26 757	15 508	58%	49%	54%	5%	9%	28%	13%
Cuba	62	52 245	31 605	60%	38%	42%	18%	22%	18%	21%
Mexico	140	116 471	60 769	52%	52%	56%	4%	8%	34%	13%
Peru	29	26 307	17 845	68%	54%	58%	7%	11%	19%	12%
Portugal	44	30 090	17 844	59%	61%	64%	4%	7%	30%	10%
South Africa	72	85 023	46 683	55%	60%	64%	1%	6%	33%	12%
Spain	40	44 444	35 520	80%	64%	69%	4%	9%	13%	7%
Uruguay	22	11 921	7 170	60%	57%	59%	4%	7%	31%	9%
Venezuela	14	4 640	3 604	78%	63%	67%	5%	9%	8%	14%



SciELO Network – 20 years

Daily accesses to HTML and Downloads of PDF



Principles

- knowledge as global public good – CC-BY
- network – maximize cost-effectiveness
- 14% yearly growth
- standards and quality control

SciELO Publishing Model

- indexing - bibliometric
- storage, preservation, publication
- dissemination and interoperability

- 16 countries
Latin America, Portugal, Spain, South Africa
- + 1 k journals
- ~ 45 k articles per year
- + 700 k articles all years
- multilingual, multiples disciplines
- golden OA
- + 1.5 million downloads per day (COUNTER)

- research advancement
- improve journal performance
- indexing, publishing, interoperating
- performance followup

- professionalization
- internationalization
- sustainability
- alignment with open science

Journals of SciELO Bra`zil – citations received

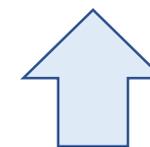
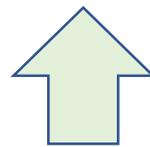
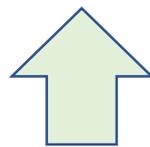
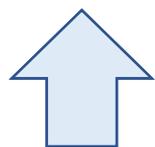
área temática	SciELO 2014-2015		Citações recebidas de 2014 a setembro de 2017				Variação
	periódicos	artigos	no SciELO		no SciELO + WoS		
			total	por artigo	total	por artigo	
todas	276	40 692	19 046	0.47	51 900	1.28	2.7
exatas e da terra	7	1 477	384	0.26	2 549	1.73	6.6
biológicas	20	3 722	1 701	0.46	8 803	2.37	5.2
engenharias	16	2 425	701	0.29	3 091	1.27	4.4
multidisciplinar	6	1 084	420	0.39	1 751	1.62	4.2
saúde	86	17 393	10 588	0.61	29 156	1.68	2.8
linguística, letras e artes	13	793	63	0.08	132	0.17	2.1
agrárias	33	6 800	3 648	0.54	7 588	1.12	2.1
sociais aplicadas	34	2 437	553	0.23	974	0.40	1.8
humanas	79	7 549	2 520	0.33	3 524	0.47	1.4

Fonte: SciELO Citation Index / WoS, outubro 2017

SciELO Brazil - Google Analytics – proportion of visits per region and thematic area

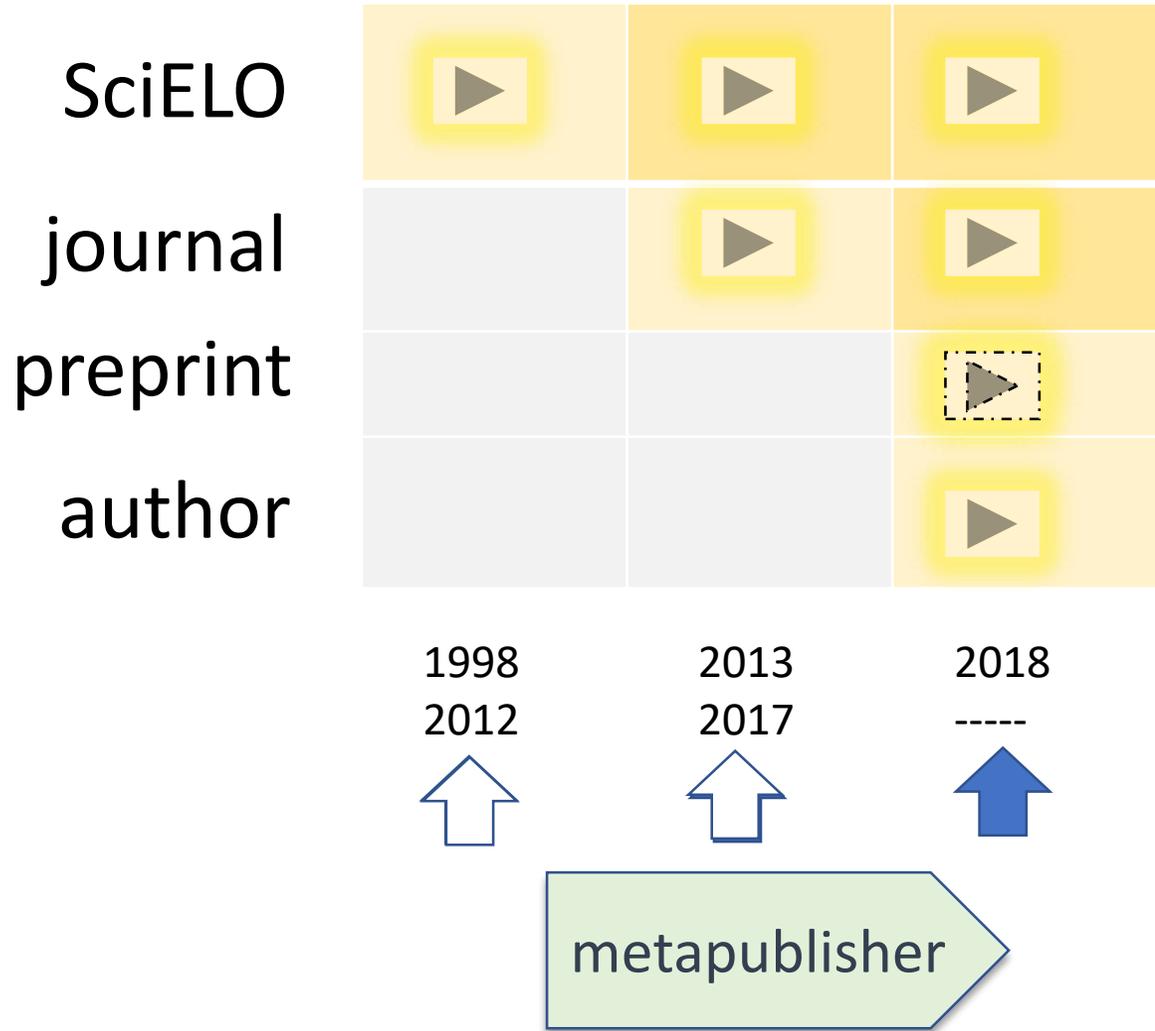
região	todas	saúde	humanas	sociais aplicadas	agrárias	biológicas	engenharias	exatas e da terra	multidisciplinar	linguística letras e artes
todas	100%	50%	25%	10%	7%	4%	4%	3%	2%	1%
Americas	80.4%	80.5%	91.1%	87.0%	72.4%	57.4%	53.3%	63.5%	51.9%	82.5%
Brazil	70.1%	69.0%	84.0%	82.7%	60.6%	35.5%	39.6%	50.8%	32.1%	75.1%
United States	5.0%	6.6%	1.6%	1.6%	4.7%	11.1%	7.9%	6.6%	10.0%	3.3%
Asia	8.2%	8.0%	1.6%	3.2%	14.0%	23.7%	26.5%	19.1%	27.5%	5.3%
India	2.8%	2.7%	0.5%	0.9%	4.6%	8.4%	9.7%	7.0%	10.8%	0.9%
Europe	6.7%	7.4%	3.8%	4.0%	6.8%	10.7%	13.1%	12.0%	10.6%	8.0%
Africa	3.4%	2.6%	2.9%	5.1%	5.4%	5.7%	5.0%	4.0%	7.3%	2.9%
Oceania	1.0%	1.2%	0.3%	0.4%	1.3%	2.1%	1.8%	1.2%	2.5%	1.0%
Other	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.4%	0.3%	0.3%	0.3%

Google Analytics, SciELO Brazil 2017



SciELO Model evolution

– adoption of digital publication



1998:

indexing, publication, interoperability
aggregation

2013:



online manuscript service
continuous publication
broaden interoperability

- DOI
- IO4C
- ORCID
- OAI-PMH
- DOAJ
- indexing

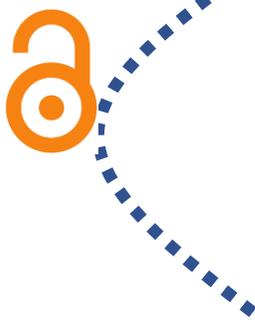
2018:

preprint – being implemented
authoring – texture,
research data – fair, go fair, TOP

2013:

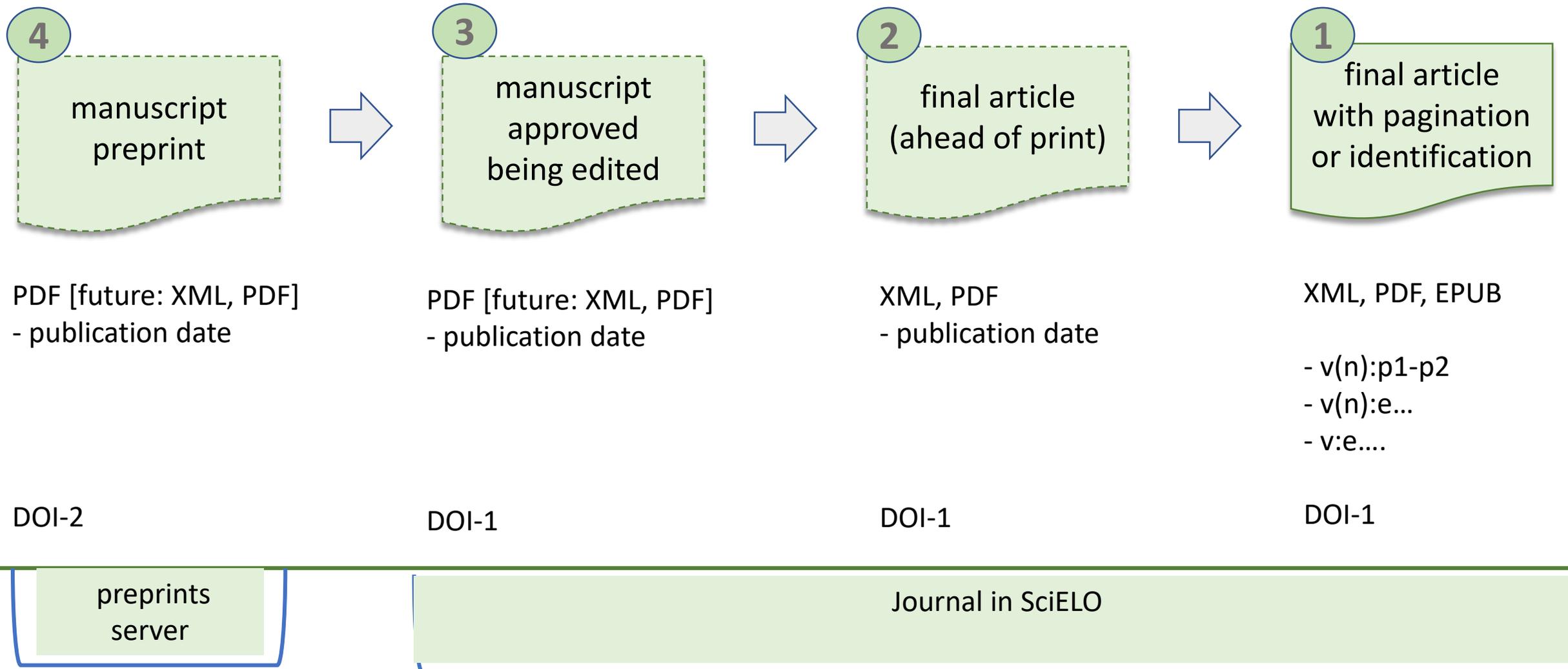
SciELO Books – 15press, ~1k books

transition to open science

- the web/internet is the medium of the structure of research communication and access
 - journals and progressively articles persist as the main component of the structure
 - disintermediation is a core property of the web / internet
 - disintermediation leads to transparency and openness
- 
- research communication includes the management and availability of research design, registries, material-data, methods – software, supported by instances beyond the journals
 - preprints is the formal beginning of the research communication
 - articles with full referencing of materials, methods and results
 - authors with more control on the communication of their researches
 - quality, usability and reproducibility are maximized
 - return on investment is maximized

SciELO Publishing Model - workflow

research communication as a continuum – minimizing intermediation



SciELO – future

from 2018 to 2023

- maximize the social and scientific qualification of SciELO journals
- professionalization, internationalization and sustainability
- alignment with open science best practices
 - adoption of preprints - SciELO Preprints
 - referencing data, methods, software, ... – FAIR, TOP / COS guidelines
 - authors participation on the final editing of articles
 - prioritization of articles, authors with ORCID
- sustainability and institutionalization of SciELO

SciELO 20 Years Week, September 24th-28th 2018

SciELO Network Meeting		Time	SciELO 20 Years Conference			
September 24th, Monday	September 25th, Tuesday		Programmatic Line	September 26th, Wednesday	September 27th, Thursday	September 28th, Friday
Opening and Working Groups	Working Groups reports	09:00-10:30	Key and structural issues of the advancement of research communication	Scientific knowledge as a global public good. The future of research communication.	Open Science: open data, open materials, open methods and open software	Open Science: quality control, transparency, and ethics
Coffee Break						
Working Groups	Working Groups reports	11:00-12:30	Globalization and advancement of open access	Conference Opening – Presentations by the Authorities	Open Access - routes towards universalization	
					Golden national based solutions	Gold and hybrid journal, green, others
Lunch Break						
Working Groups	Working Groups reports	14:00-15:30	Journal publishing aligned with open science	Fast communication: preprints, peer-review, continuous publishing	Structuring of scientific articles: standards, XML, authoring	Interoperability, visibility, credibility
Coffee Break						
Working Groups	SciELO Program and Network - Priority Lines of Action - 2019-2023	16:00-17:30	Assessment of journals and the research they communicate	The political and social impact of journals and the research they communicate	Scientific / academic impact of journals – citation based and other indicators	Web presence of journals and the research they communicate
Courses and seminars		18:00-18:45	Courses and seminars			

A cluster of pink flowers with green buds and leaves is shown against a clear blue sky. A black SciELO logo, consisting of a stylized 'S' and 'E' with a dot, is overlaid on the flowers.

SciELO *20 Years*

SciELO Network Meeting - 24-25 set 2018
International Conference - 26-28 set 2018

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thank you !