





UNESCO GO→SPIN Methodological and Data Collection Training Workshop Republic of Kenya

September 28 - October 2, 2020

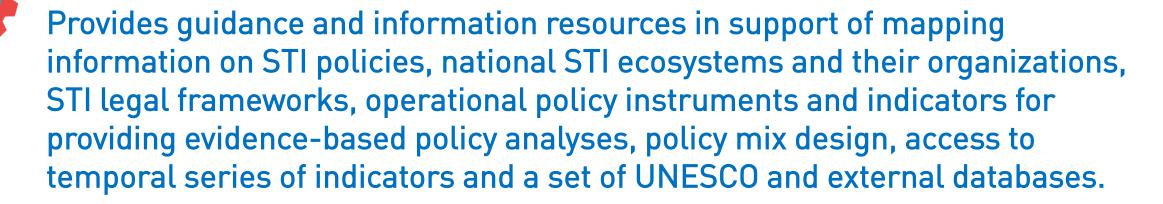
LECTURE 4: Presentation of the GO→SPIN online platform – Exploring the information content

Guillermo A. Lemarchand Executive Director Research KITS

galemarchand@researchkits.org



GO-SPIN Platform: What is and what's for?



Purposes:

- Facilitate *processes* of learning by broadening perspectives and framing by codifying and ordering the significant, but fragmented, knowledge base around STI (policy) dynamics
- Encouraging intelligent benchmarking
- Supporting international mutual learning and exchange
- But also complementing (and not substituting) existing processes and analysis

Who are the potential users?



- Experts and analysts on STI and other public policies
- Parliamentary groups especially concerned with STI policies;
- SETI information brokers, consulting groups and advisory bodies;
- Teaching and research departments engaged in SETI policy studies;
- The governing bodies of R&D institutes and S&T services;
- The boards of management of productive enterprises heavily reliant on R&D or engaged in the transfer of technology and innovation;
- International governmental and non-governmental organizations concerned with SETI and their application to sustainable development;
- Academics, researchers and graduate students concern on STI policy assessment...





Cultural Organization





Menu

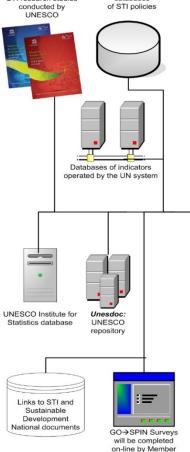
Global Observatory of Science, Technology and Innovation Policy Instruments



Sources of information

GO→SPIN country profiles and other STI research studies conducted by UNESCO

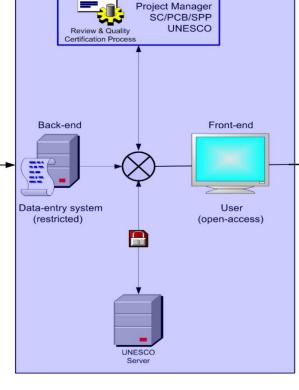
Open Source databases



States' focal-points

GO→ SPIN Multilingual Platform

GO→SPIN

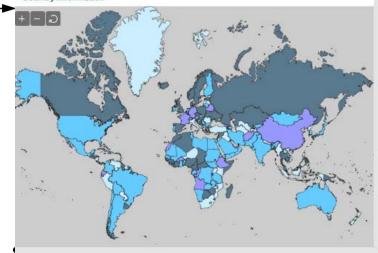


STI Policies * STI STI Legal Framework STI Organizational Analysis * STI Operational Policy Instruments Indicators Inclusive STI Policies * Research Regulations * International Organizations for STI Cooperation * Impact of Research and Innovation on SDGs

Country Information

Digital Library .

■ External STI Databases ▼



Welcome

GO-SPIN is a methodological tool to map national science, technology and innovation (STI) landscapes and analyse STI policies and their implementation. The open-access platform offers innovative databases with powerful graphic and analytical tools for the use of decision-makers, parliamentarians, universities, knowledge brokers, companies, specialists and the general public, with a complete set of diverse information on STI policies.

Home

- ► What is GO-SPIN?
- Participate in GO-SPIN
- Country profiles
- ► Training and Resources
- ► News
- ► Contact us

Events

- ✓ 2018-07-18 to 2018-07-21
 MACAU, CHINA
- Ethics Teachers Training Course in China
- ✓ 2018-07-16 to 2018-07-21
- KOBLENZ, GERMANY Summer School on Plastics in Marina and
- Freshwater Environments

 ✓ 2018-07-13 to 2018-07-20
- TEPILORA, RIO POSADA AND MONTALBO BIOSPHERE RESERVE, ITALY
- Summer School on Integrated Management
 Approaches and Sustainable Tourism Strategies
 for Biosphere Reserves
- ✓ 2018-06-17 to 2018-09-10
- ASTANA, KAZAKHSTAN
- EXPO 2018 International Exhibition in Astana







GLOBAL OBSERVATORY OF SCIENCE, TECHNOLOGY AND INNOVATION POLICY INSTRUMENTS

The structure of GO→SPIN analytic units

SETI POLICY



Satements by high level government officials or representatives of the private sector, generally associated with top-level government hodies

SETI LEGAL FRAMEWORK

POLICY INSTRUMENTS



Law, decrees, regulations, bylaw, contracts and international agreements

ORGANISATIONAL CHART FOR SETI



Individual institutions and organisations; procedures and methodologies they employ

OPERATIONAL POLICY INSTRUMENTS



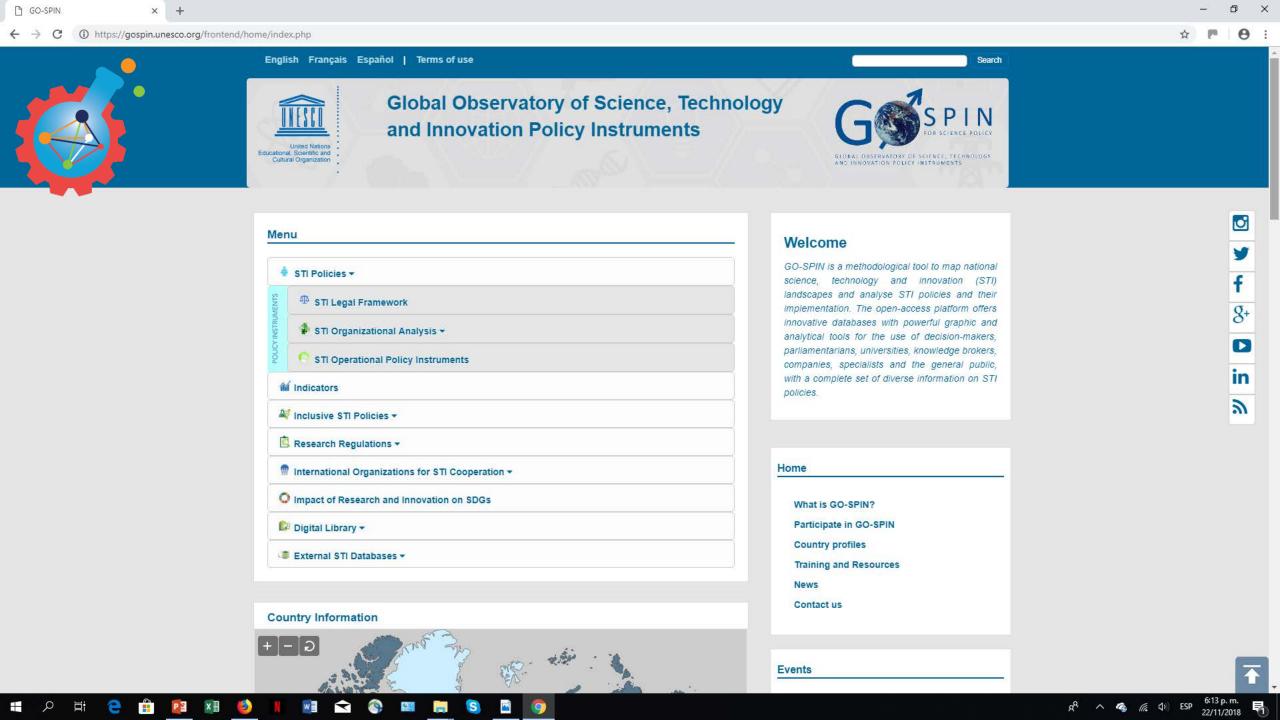
Actual working mechanisms that make the instrument function on a day-to-day basis

EFFECTS

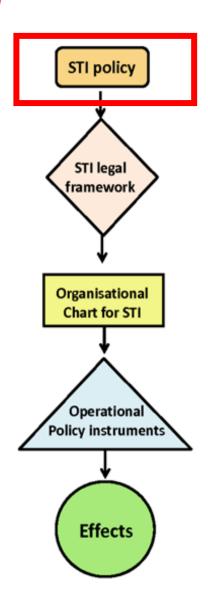


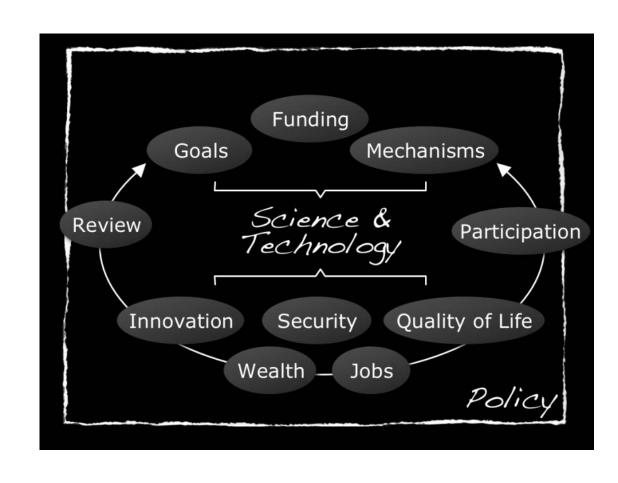


https://gospin.unesco.org/



Analysing the content of the SETI "explicit" policies



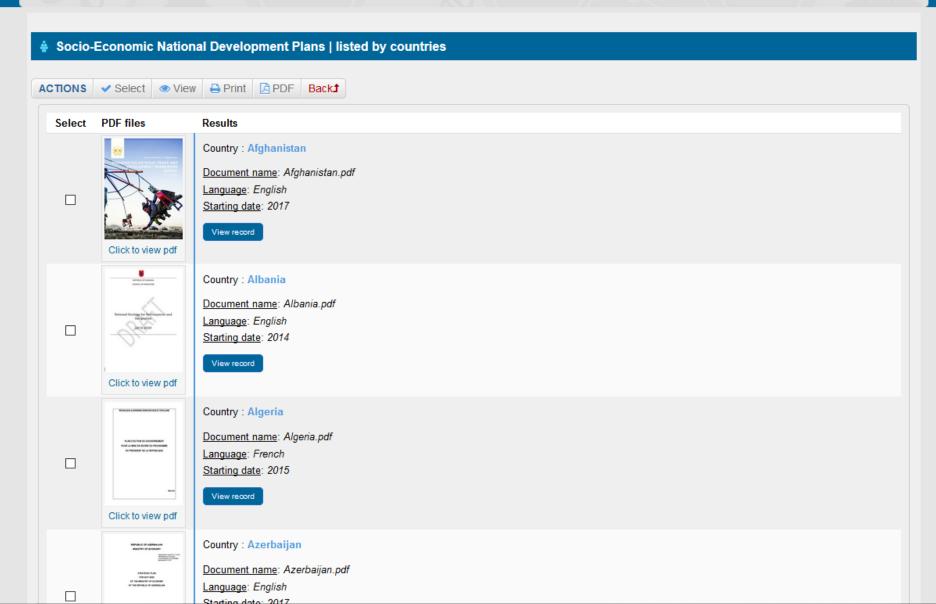






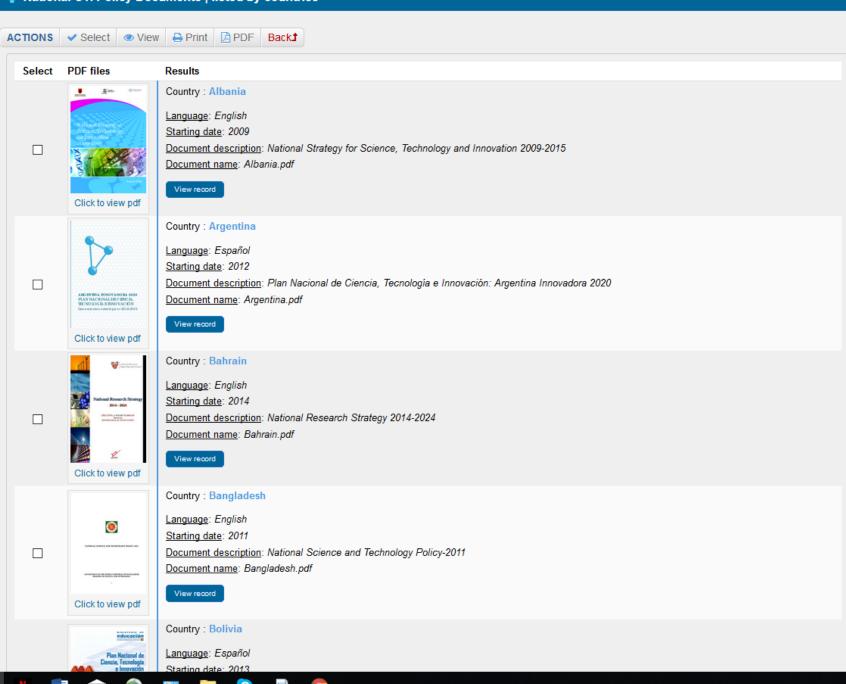








A National STI Policy Documents | listed by countries



Transfiriendo datos desde researchkits.org...































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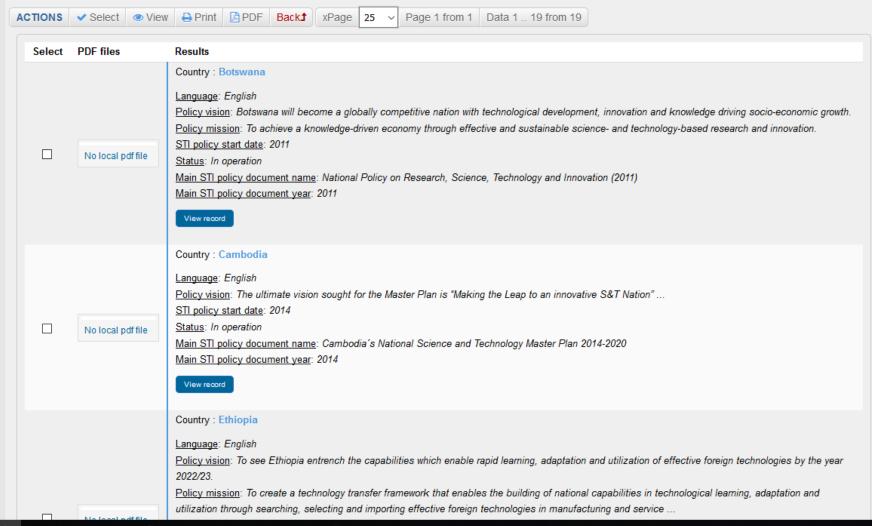




Global Observatory of Science, Technology and Innovation Policy Instruments



Content Analysis of the STI National Policy | listed by countries



























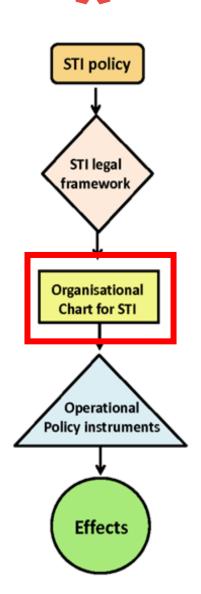


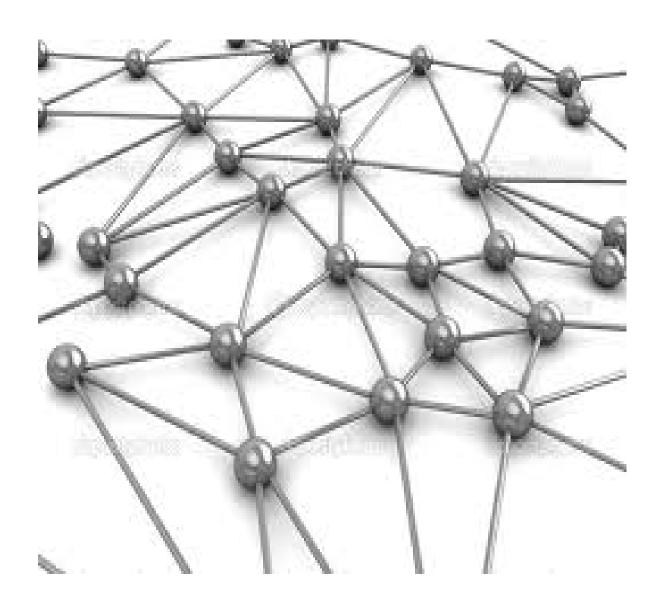






Analysing the STI institutional ecosystem





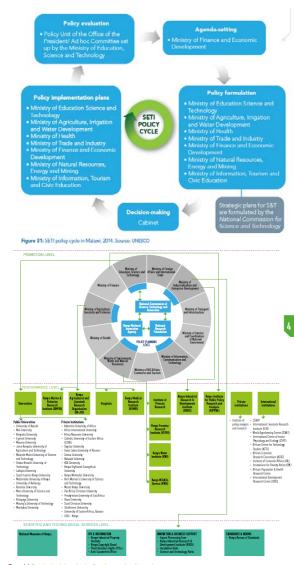


Figure 4.4. Organizational chart showing Kenya's research and innovation system







STI P	olicy Cycle		
вті О	rganizational Chart		
nven	tory of STI Institutions		
nven	tory of Science and Technology Pa	rks	
Resea	arch and Innovation Regulatory Ins	titutions	

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Home

Country Information





















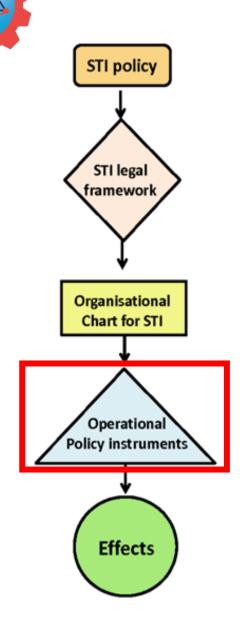


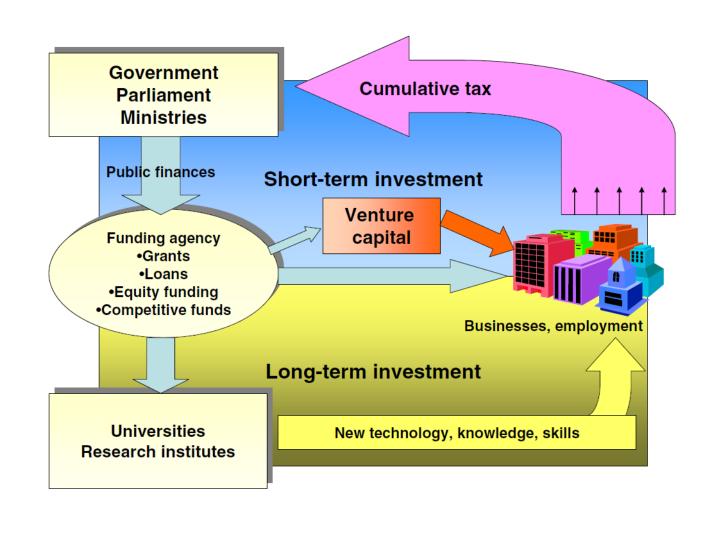






Inventory of operational policy instruments









Search | STI Operational Policy Instruments

- Select data by country / international organizations
- Select data by objectives and goals of the instrument
- Select data by sectoral and horizontal approach of the instrument
- Select instruments by STI supply and demand sides
- Select data by mode of support / type of mechanism
- Select data by socio-economic objective classification
- Select data by R&D classification
- Select data by target groups / beneficiaries
- Select data by Sustainable Development Goals (SDGs)

Comparative table































STI Operational I	Policy Ins	truments	Compar	ative tab	ole by Cou	ıntries S	tandardi	zed obje	ectives	and goal	S			
Country	a.	b.	C.	d.	e.	f.	g.	h.	i.	j.	k.	I.	m.	Tot
■ Algeria	1	_			d	2					-	-	-	5
- Argentina	43	b. S		ing the inf	rastructure	of research	laboratori	es in the p	oublic an	d private	2	17	9	133
Bolivia	2	-	-	-	-	3	-	-	1	-		-	1	5
Botswana			1	-	-	-	-		-	-	-	-	-	1
Brazil	35	5	58	2	4	33	14		-	-	1	8	9	106
Burkina Faso	3	-	2	-	1	3	-	-	1	-	-	1	-	3
Chile	25	3	23	4	1	57	4	-	-	-	-	14	-	88
Colombia	14	1	15	-	2	17	1	-	-	1	-	3	-	36
Costa Rica	6	-	13	2	4	10	1	-	-	3	-	5	3	33
Cote D'Ivoire	2	-	1	-	1	2	-	-	-	-	-	-	-	2
Cuba	1	-	-	-	-	1	-	-	-	-	-	-	-	1
Dominican Republic	2	-	2	-	-	3	-	-	-	-	-	1	-	7
Ecuador	9	-	11	1	-	2	-		1	-	-	-	-	20
Egypt	7	3	7	-	1	5	-	-	-	2	-	1	-	11
El Salvador	4	-	6	-	-	7	2	-	-	1	-	-	-	13
Ethiopia	2	-	-	-	1	1	-	-	-	-	-	-	-	2
Ghana	1	-	1	-	-	1	-	-	-	1	-	-	-	3
Guatemala	6	2	6	-	1	2	-	-	-	1	1	-	1	11
Honduras	2	-	1	-	-	3	-	-	-	1	1	-	-	7
India	21	8	20	6	4	28	3	4	1	9	2	6	-	49
== Iraq	1	-	2	-	-	-	-	-	-	1	-	-	-	3
srael	36	22	37	5	8	30	6	9	8	-	27	17	-	59
X Jamaica	1	-	-	-	-	3	-	-	-	-	-	1	-	3
Jordan	5	-	3	-	-	6	-	-	-	2	-	1	-	7
Kenya Kenya	6	-	12	1	4	5	-	-	1	7	1	3	-	12
Kuwait	20	-	10	-	12	14	-	-	-	4	2	4	-	34
Lao People's Democratic Republic	1	-	1	-	-	-		2	1	-	-	1	-	2
Lebanon	10	-	12	-	4	12	-	-	-	2	2	2	2	22
Liberia	4	6	8	2	-	4	2	-	-	6		-	-	10
Malawi	20	4	16	3	10	2	5	-	3	4	-	2	-	27





























O STI Operational Policy Instruments | Comparative table by Countries | STI Supply and Demand Sides

Country	Fostering STI's supply side	Fostering STI's demand side	Fostering the link between STI's	Tot
I Algeria	2	2	1	5
- Argentina	75	42	16	133
Bolivia	1	1	3	5
Botswana	1		-	1
Srazil	78	18	10	106
Burkina Faso	3	-	-	3
E Chile	30	35	23	88
Colombia	17	10	8	36
Costa Rica	18	6	8	33
Cote D'Ivoire	2	-	-	2
Cuba	1	-	-	1
Dominican Republic	3	3	1	7
Ecuador	17	-	3	20
Egypt	7	3	1	11
El Salvador	9	3	1	13
Ethiopia	2	-	-	2
Ghana	1		-	3
Guatemala	9	1	1	11
Honduras	2	4	1	7
India India	27	5	17	49
raq Iraq	3			3
srael	27	24	8	59
X Jamaica	1	2		3
E Jordan	4	1	2	7
≡ Kenya	6	3	3	12
Kuwait	20	8	6	34
Lao People's Democratic Republic	2			2
Lebanon	10	8	4	22
Liberia Liberia	6	4		10
Malawi	20	5	2	27
Malaysia	-	3	-	3
Mauritius	1	3	3	7
Mexico	38	6	7	51
Morocco	10	-	10	20
Mozambique	13	3	1	17
Nicaragua	4	3	1	8































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O STI Op	erational Policy Instruments Argentina STI Supply and Demand Sides						
ACTIONS	✓ Select Select Frint PDF Back xPage 25 ∨ CC - Page 1 from 4 > >> Data 1 25 from 76						
Select	Results						
	Country: Argentina <u>Title of the instrument</u> : Partial Financing Program for Short-Term Internships Abroad for Postdoctoral Scholars and Research Assistants - CONICET <u>Overview</u> : Partial Financing Program for Short Stays Abroad for Postdoctoral Scholars <u>Language</u> : English <u>STI Supply and Demand Sides</u> : Fostering STI's supply side <u>View record</u>						
	Country: Argentina Title of the instrument: FONCyT - Fund for Scientific and Technological Research Overview: The Fund for Scientific and Technological Research (FONCYT) is an organization in charge of managing and applying National Treasury budgetary resources, those coming from external credit operations and international cooperation, with the purpose of Language: English STI Supply and Demand Sides: Fostering STI's supply side View record						
	Title of the instrument: Presidence Unit Overview: The National Agency for Scientific and Technological Promotion (ANPCyT) through its Presidency Unit promotes the incorporation of highly qualified human resources for innovation and technology transfer in different institutions, to support the change in Language: English STI Supply and Demand Sides: Fostering STI's supply side View record						
	Country: Argentina <u>Title of the instrument</u> : ICT scholarships (FONCyT) Overview: The National Agency for the Promotion of Science and Technology (ANPCyT), through the FONCyT within the framework of the Program to						



































ACTIONS PDF Back!

Title of the Instrument

Partial Financing Program for Short-Term Internships Abroad for Postdoctoral Scholars and Research Assistants - CONICET

CONICET, short stays, postdoctorate, research assistants, scholars

Partial Financing Program for Short Stays Abroad for Postdoctoral Scholars

This Program provides partial funding to CONICET Postdoctoral Internal Fellows for short-term Internships in research centers of excellence abroad, oriented to carry out training and/or experimentation within the work plan presented. At the time of application and during the entire stay abroad, applicants must be active fellows in the above-mentioned category.

Partial Funding Program for Overseas Stays for Research Assistants

This Program provides partial funding to Members of the Scientific and Technological Researcher Career of CONICET in the category of ASSISTANT RESEARCHER In research centers of excellence abroad, aimed at completing their training, training, experimental training and / or collaborations. At the time of application, applicants must be active researchers in the category mentioned above.

bjectives of the 811 plan

* Strengthen fundamental aspects of the National STI system (human resources, infrastructure, organization, procedures, articulation and coordination) in order to provide it with sufficient capacity to meet the productive and social demands as well as enhancing its effectiveness and operational efficiency through the generation of greater complementarities, reducing contradictions and optimizing the use of resources.

andardized objectives and goals

- * A. Strengthening the production of new endogenous scientific knowledge
- * C. Human resources for research, Innovation and strategic planning. Capacity building education and training of specialized human capital for (1) the production of new scientific knowledge, (2) development of new technologies, (3) promotion of innovation within the productive and services systems and (4) management of the knowledge society.

• B. Horizontal: the benefits go to all the disciplines, areas and sectors

8TI Supply and Demand Sides

Fostering STI's supply side

Classification by main field of science

General advancement of knowledge

Mode of support / Type of Mechanism

A. Grants (grant funds)

Conditions to apply for the instrument

Partial Financing Program for Short Stays Abroad for Postdoctoral Scholars

Recipients: Internal CONICET Postdoctoral Scholars who are active both at the time of application and the use of the funding, who may apply for a single period of Internship during the duration of the scholarship.

The beneficiaries of Extraordinary Postdoctoral Grants, Special Grants and Postdoctoral Reinsertion Grants, as well as those Internal Postdoctoral Scholars who are enjoying a period of scholarship in addition to the statutory scholarship period, may not participate.

Duration: The periods of stay abroad to be requested may not be less than two (2) months and may not exceed six (6) months in duration. The period of stay abroad must be within twenty-four (24) months of the scholarship award. Postdoctoral Scholars who are in exceptional extensions may not participate.

Academic requirements:

Complete the SIGERH module by logging onto the intranet of CONICET, taking into account the instructions for carrying out the electronic version of the application. Presenting compliance notes for the completion of the internship from the foreign institution's authority and the researcher responsible for directing the scholarship holder's activities during his/her stay, with institutional letterhead and corresponding signatures.





































Inclusiv	e STI Policy Instruments
Inclusiv	e STI Legal Framework
SAGA: S	STEM and Gender Advancement 🗷
Inclusiv	e Policy Lab (UNESCO Social and Human Sciences Sector) 🗷
GEOBs:	Global Ethics Observatory ☑
GOAP: (Global Open Access Portal ☑
TVET - V	Vorld database: Country profiles ☑
WINS: W	/ater Information Network System ☑

Welcome

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Home

- What is GO-SPIN?
- ► Participate in GO-SPIN
- Country profiles







































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Home

- What is GO-SPIN?
- Participate in GO-SPIN
- Country profiles
- **Training and Resources**













Country Information





























Search

Search | International Organizations for STI Cooperation | Information

- Select data by international organization
- Select data by type of organization
- Select data by geographical coverage
- Select data by type of cooperation
- Select data by areas of cooperation

Search































Search | Impact of Research and Innovation on SDGs

- Select data by country
- Select data by type of instrument
- ▼ Select data by Sustainable Development Goals (SDGs)

All







SDG 2. Zero





SDG 3. Good health and well-



SDG 4. Quality education



SDG 5. Gender equality



SDG 6. Clean water and sanitation



✓ SDG 7. Affordable and clean energy



SDG 8. Decent work and economic growth



✓ SDG 9. Industry, innovation and infrastructure



✓ SDG 10. Reduce inequality



✓ SDG 11. Sustainable cities and communities



✓ SDG 12. Responsible consumption and production



 SDG 13. Climate action



SDG 14. Life below water



SDG 15. Life on land



✓ SDG 16. Peace, justice and strong institutions



✓ SDG 17. Partnership for the goals

Search





































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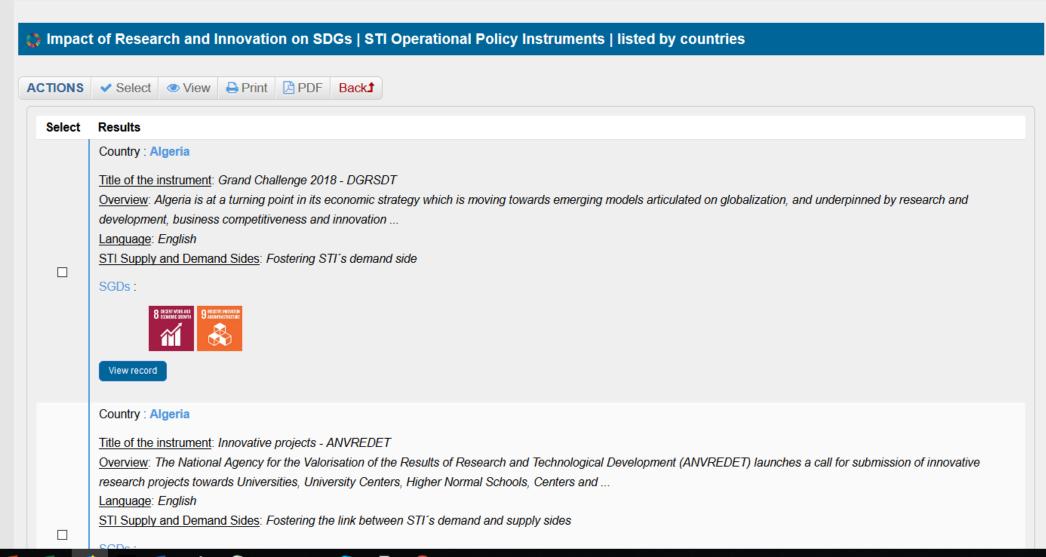






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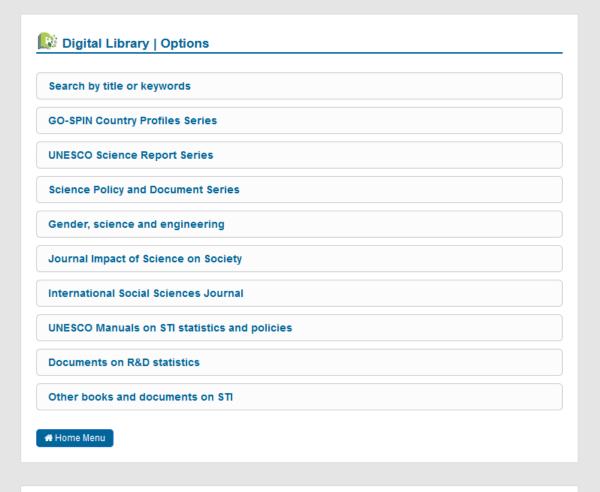












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Home

- What is GO-SPIN?
- Participate in GO-SPIN
- Country profiles
- Training and Resources
- News
- Contact us

Country In Correction



















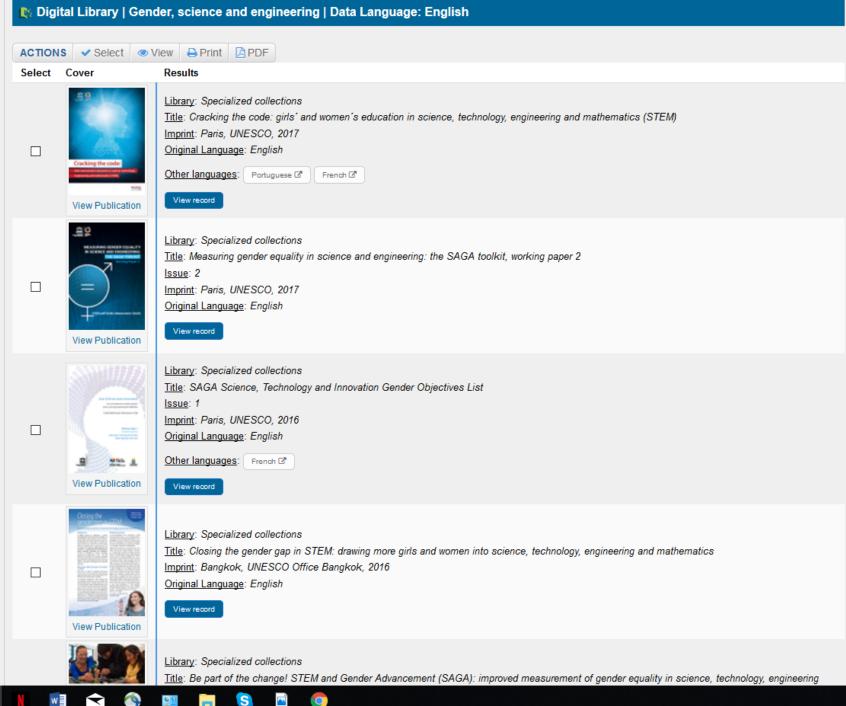




































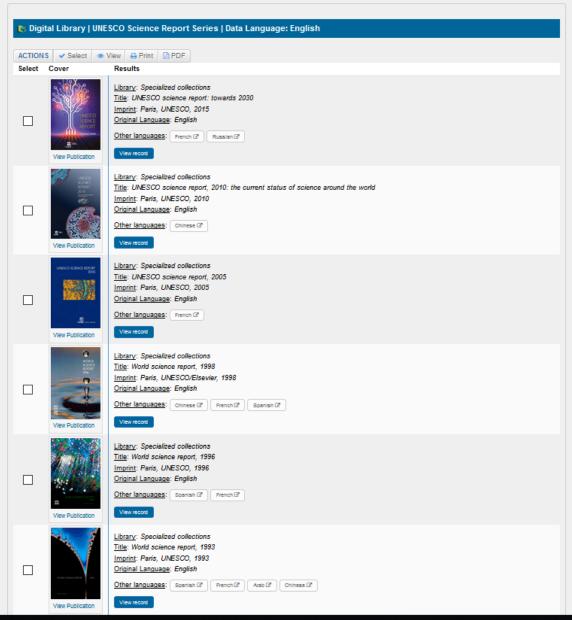














































STI Policies and Policy Instruments | Options STI Policies and Policy Instruments ▼ OECD-World Bank Innovation Policy Platform Z Políticas en Ciencia, Tecnología e Innovación en Iberoamérica 🗗 Research and Innovation Observatory – Horizon 2020 Policy Support Facility 27 Research for Health in the World 2 IASP Science Parks and Areas of Innovation 27 Contextual Indicators ▼ Patents ▼ R&D indicators ▼ Scientific publications databases ▼ **#** Home Menu **Country Information**

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Home

- What is GO-SPIN?
- Participate in GO-SPIN
- Country profiles
- Training and Resources
- News
- Contact us

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Q Results for the search of 'women'

Table name	English	Spanish	French	Russian	Arab	Chinese	All
Archive of STI policy reviews (1960-2015)	1	-	-	-	-	-	1
Inventory of STI Institutions	9	1	-	-	-	-	10
O STI Operational Policy Instruments	80	41	12	-	-	-	133
	32	8	14	-	-	-	54
Digital Library	46	1	1	-	-	2	51
STI personnel trade unions and syndicates	-	1	-	-	-	-	1

Total: 250



































Results for Paraguay

- Socio-Economic National Development Plans
- National STI Policy Documents
- Content Analysis of the STI National Policy
- Archive of STI policy reviews (1960-2015)
- ▶

 STI Legal Framework
- STI Policy Cycle
- Inventory of STI Institutions
- STI Operational Policy Instruments
- ▶ m Indicators ☑



























Thank you very much



Time for questions











