

Pilot: Platform for the collection, verification and integration of information about STI activities through primary sources

Dirección de Evaluación y Gestión del Conocimiento
May2018

Manage with quality information



The SINACYT does not have an **information system** that allows it to manage (collection, systematization, storage and communication) the data generated in the execution of its activities.



Each member institution of SINACYT has its own **management mechanisms**, which makes it difficult to share and homogenize the information.



This situation does not allow to properly manage the STI, **evaluate the progress** levels of the activities and evaluate the **results** of the same.

Vision

- « Design and implement a process of automatic collection, verification and periodic integration of information about STI activities through primary sources, as well as its availability in an internal computing tool that allows its consultation and visualization.

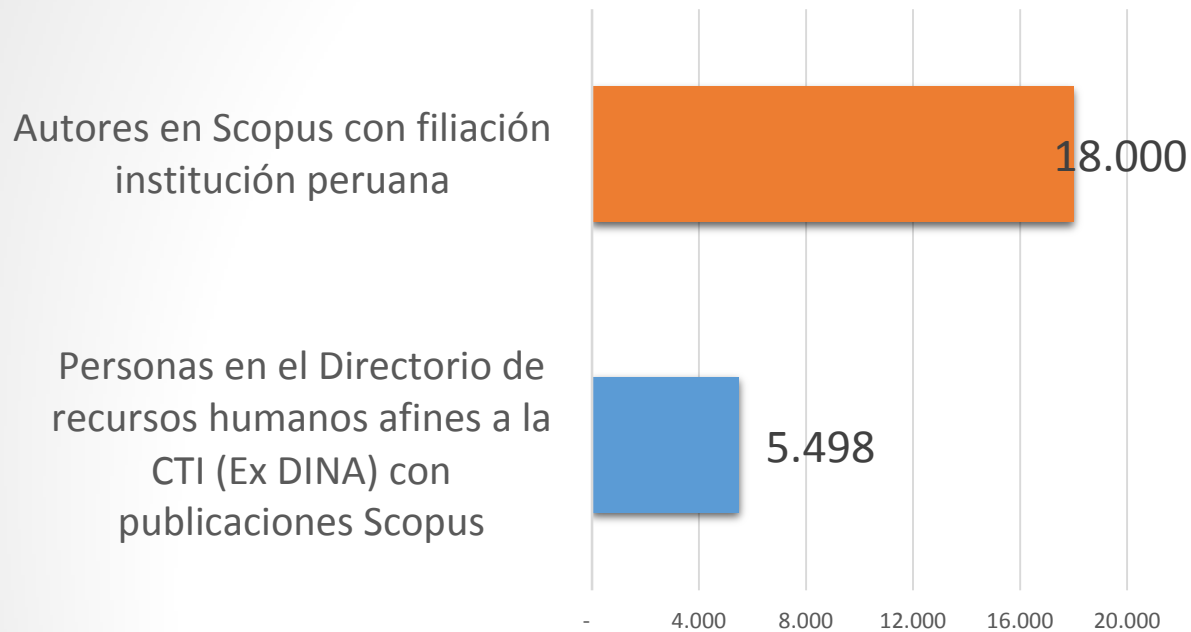


Context and need

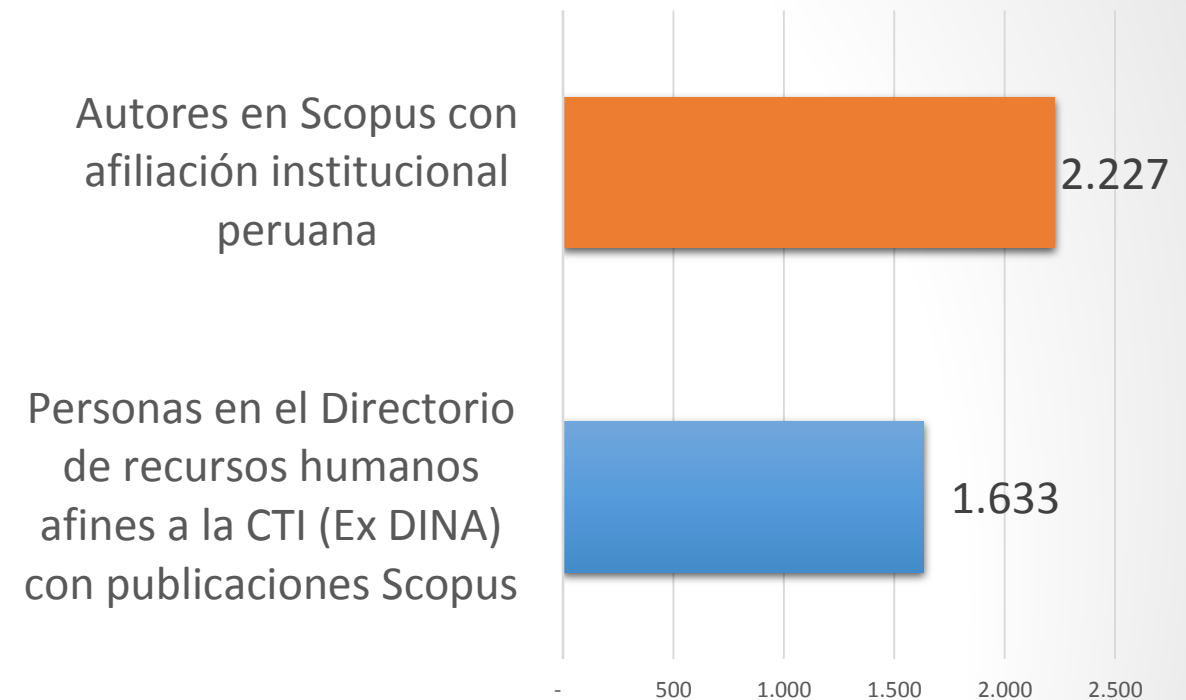
- The qualification of the researchers is onerous for the applicant (researcher)
- Information incomplete, heterogeneous, and not validated.
- Identification of Peruvians with publications in indexed databases and granted patents.

Context and need

Peruanos con publicaciones en Scopus

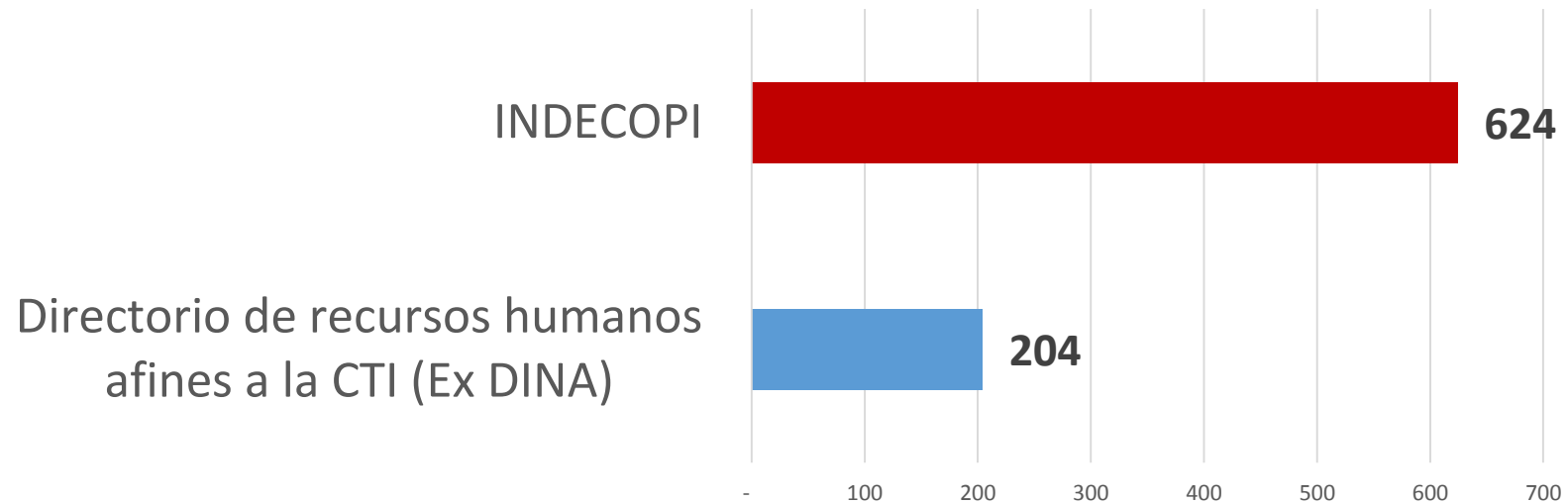


Peruanos con +5 publicaciones en Scopus



Context and need

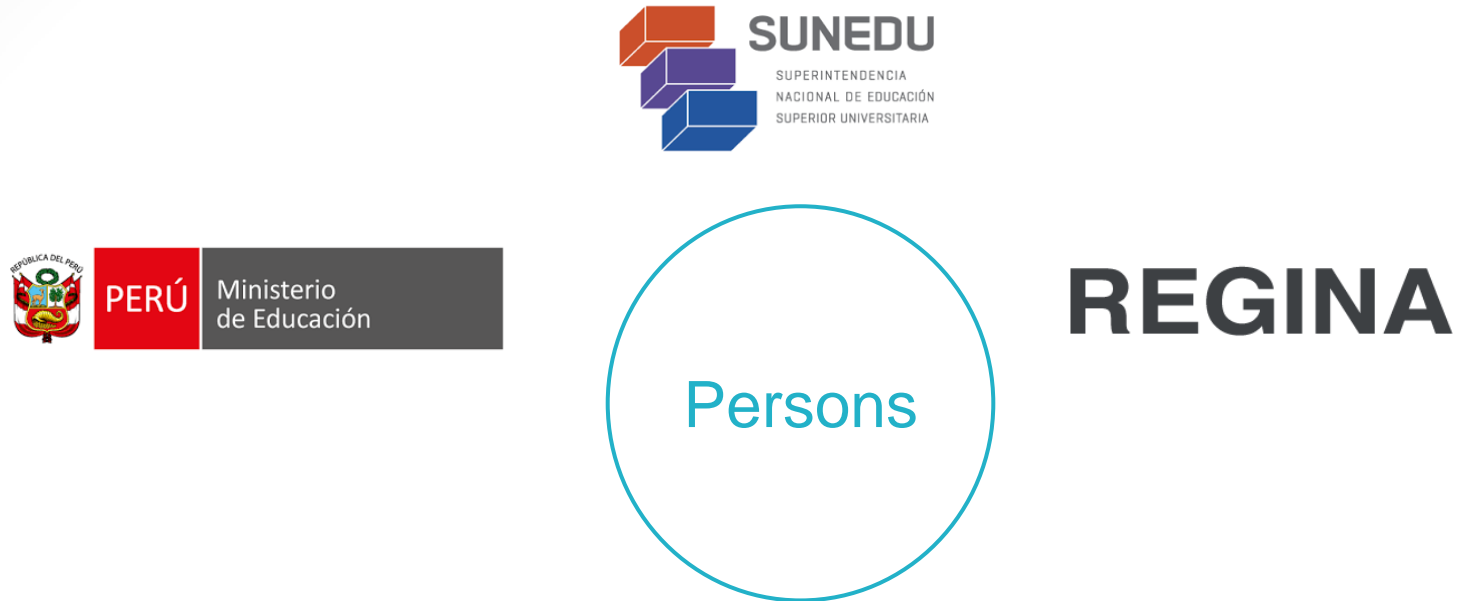
Autores peruanos de patentes otorgadas



Benefits

- Automatic collection from primary sources.
- Greater coverage of Peruvian researchers (who is who)
- Standardized and validated information.
- Facilitate the objective qualification of the researchers.
- Identify the main researchers and innovators of Peru, and estimate their quantity and distribution by areas of knowledge.
- Identify the main institutions of Peru, and estimate their production.

Persons – data sources



- Directory of human resources related to the CTI (formerly DINA) and REGINA
- Peruvians of birth or residence and have valid Scopus ID
- They have a patent (manual match)
- They appear in the project bank
- They have registered degrees in the SUNEDU

Outputs – data sources

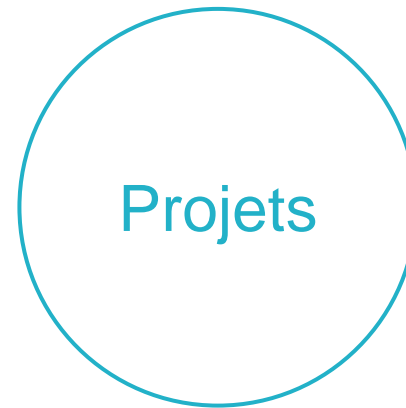


- All Scopus publications in which there is an author with affiliation to a Peruvian institution
- Patents of invention and utility models granted to Peruvians between 2008-2017

Projects – data sources



Innóvate Perú



Proyectos de investigación del Banco de Proyectos en CTI

Institutions – data sources



Scope - integration

Investigadores peruanos Scopus-DINA-ORCID

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fx AUID SCOPUS

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	AUID SCOPUS	JusDocC	scopusNombre	scopusAffName	Nombre Completo	dinalD	DNI	ORCID	resultad	link scop	buscar en di	buscar	link dina	buscar dni	link orcid	Observaciones
2	7006738551	376	Gotuzzo, Eduardo H.	Hospital Nacional Cayetano Heredia	GOTUZZO HERENCIA, JOSE EDUARDO	2997	07848194		ok	Scopus	Google DINA	Google	DINA	Google DNI		
3	7202282335	302	García, Héctor Hugo	Universidad Peruana Cayetano Heredia	GARCIA LESCANO, HECTOR HUGO	3717	06083069		ok	Scopus	Google DINA	Google	DINA	Google DNI		
4	7003781867	263	Gago, Alberto M.	Pontificia Universidad Catolica del Peru	GAGO MEDINA, ALBERTO MARTIN	2989	07835422		ok	Scopus	Google DINA	Google	DINA	Google DNI		
5	2446529500	218	Miranda, J. Jaime	Universidad Peruana Cayetano Heredia	MIRANDA MONTERO, J. JAIME	3870	10326652		ok	Scopus	Google DINA	Google	DINA	Google DNI		
6	7404584673	201	González, A. E.	Universidad Nacional Mayor de San Marcos	GONZALEZ ZARIQUIEY, ARMANDO EMILIANO	72	07330504	0000-0003-1909-1873	ok	Scopus	Google DINA	Google	DINA	Google DNI	ORCID	
7	7007038828	193	Gonzales, Gustavo Francisco	Universidad Peruana Cayetano Heredia	GONZALES RENGIFO, GUSTAVO FRANCISCO	2389	09998072	0000-0003-1611-2894	ok	Scopus	Google DINA	Google	DINA	Google DNI	ORCID	
8	7003519222	184	Vinetz, Joseph M.	Universidad Peruana Cayetano Heredia	VINETZ -, JOSEPH MICHAEL	17573			ok	Scopus	Google DINA	Google	DINA			
9	7201539595	177	Watts, Douglas M.	US Naval Medical Research Unit 6					?	Scopus	Google DINA	Google				
10	36674646500	174	Calvo Villar, Ernesto	Pontificia Universidad Catolica del Peru	CALVO VILLAR, ERNESTO		40712765		ok	Scopus	Google DINA	Google		Google DNI		
11	5644777300	153	Hernandez, Adrian V.	Universidad Peruana de Ciencias Aplicadas	HERNANDEZ DIAZ, ADRIAN VLADIMIR	18452	06784089	0000-0002-9999-4003	ok	Scopus	Google DINA	Google	DINA	Google DNI	ORCID	
12	16208026200	148	Lanata, Claudio Franco	Instituto de Investigacion Nutricional Lima	LANATA DE LAS CASAS, CLAUDIO FRANCO	10129	08268026	0000-0002-6994-7425	ok	Scopus	Google DINA	Google	DINA	Google DNI	ORCID	
13	7101909859	136	Cáceres, Carlos F.	Universidad Peruana Cayetano Heredia	CACERES PALACIOS, CARLOS FERNANDO	17193	08710071	0000-0002-8101-0790	ok	Scopus	Google DINA	Google	DINA	Google DNI	ORCID	
14	57007833500	136	Cáceres, Carlos F.	Universidad Peruana Cayetano Heredia	CACERES PALACIOS, CARLOS FERNANDO	17193	08710071	0000-0002-8101-0790	ok	Scopus	Google DINA	Google	DINA	Google DNI	ORCID	
15	7003713207	135	León-Velarde, Fabiola	Universidad Peruana Cayetano Heredia	LEON VELARDE SERVETTO, FABIOLA MARIA	3271	10220483		ok	Scopus	Google DINA	Google	DINA	Google DNI		
16	56545363200	130	Llanos-Cuentas, Alejandro Alejandro	Universidad Peruana Cayetano Heredia	LLANOS CUENTAS, ELMER ALEJANDRO	12750	08186463		ok	Scopus	Google DINA	Google	DINA	Google DNI		
17	6701324095	130	Llanos-Cuentas, Alejandro Alejandro	Universidad Peruana Cayetano Heredia	LLANOS CUENTAS, ELMER ALEJANDRO	12750	08186463		ok	Scopus	Google DINA	Google	DINA	Google DNI		
18	7402882890	129	Olson, James G.	U.S. Naval Medical Research Unit 6					?	Scopus	Google DINA	Google				
19	24075217800	124	Bernabé-Ortiz, Antonio	Universidad Peruana Cayetano Heredia	BERNABE ORTIZ, ANTONIO	3847	10206883	0000-0002-6834-1376	ok	Scopus	Google DINA	Google	DINA	Google DNI	ORCID	
20	6701858476	120	Bausch, Daniel G.	Bellavista	BAUSCH, DANIEL GOODWIN	15223			ok	Scopus	Google DINA	Google	DINA			
21	6701384109	115	Seas R., Carlos	Hospital Nacional Cayetano Heredia	SEAS RAMOS, CARLOS RAFAEL	51054	07032102	0000-0001-7067-9141	ok	Scopus	Google DINA	Google	DINA	Google DNI	ORCID	
22	6802194591	112	Lescano, Andrés Guillermo	Universidad Peruana Cayetano Heredia	LESCANO GUEVARA, ANDRES GUILLERMO	10114	09356717		ok	Scopus	Google DINA	Google	DINA	Google DNI		
23	7201693727	110	García, Patricia J.	Universidad Peruana Cayetano Heredia	GARCIA FUNEGRA, PATRICIA JANNET	3935	06157299		ok	Scopus	Google DINA	Google	DINA	Google DNI		
24	57195388571	107	Ochoa, Theresa J.	Universidad Peruana Cayetano Heredia	OCHOA WOODDELL, THERESA JEAN	15235	25304360	0000-0002-3227-3906	ok	Scopus	Google DINA	Google	DINA	Google DNI	ORCID	
25	35593777700	106	Ochoa, Theresa J.	Universidad Peruana Cayetano Heredia	OCHOA WOODDELL, THERESA JEAN	15235	25304360	0000-0002-3227-3906	ok	Scopus	Google DINA	Google	DINA	Google DNI	ORCID	
26	7005374513	106	Cabrera, Lilia Z.	Asociacion Benefica PRISMA Lima	CABRERA ROJO, LILIA ZULEMA		21783606		ok	Scopus	Google DINA	Google		Google DNI		
27	7006142237	102	Gomez, Henry L.	Instituto Nacional de Enfermedades Neoplasicas Li	GOMEZ MORENO, HENRY LEONIDAS	20725	29287263	0000-0003-2660-1843	ok	Scopus	Google DINA	Google	DINA	Google DNI	ORCID	
28	55915133100	100	Huicho, Luis	Universidad Peruana Cayetano Heredia	HUICHO ORIUNDO, LUIS	3823	10003304		ok	Scopus	Google DINA	Google	DINA	Google DNI		
29	6603748067	100	Bonierbale, Merideth W.	Centro Internacional de la Papa, Lima	BONIERBALE, MERIDETH	63632			ok	Scopus	Google DINA	Google	DINA			
30	7004202872	99	Verastegui, Manuela	Universidad Peruana Cayetano Heredia	VERASTEGUI PIMENTEL, MANUELA RENEE	1934	08604175	0000-0002-7500-1353	ok	Scopus	Google DINA	Google	DINA	Google DNI	ORCID	
31	7402258504	99	Morrison, Amy C.	U.S. Naval Medical Research Unit No. 6					?	Scopus	Google DINA	Google				
32	7005869745	98	Arevalo, Jorge	Universidad Peruana Cayetano Heredia	AREVALO ZELADA, JORGE LUIS	13472		0000-0003-3837-2849	ok	Scopus	Google DINA	Google	DINA		ORCID	
33	56481406300	97	Málaga, Germán	Universidad Peruana Cayetano Heredia	MALAGA RODRIGUEZ, GERMAN JAVIER	39509	10540177	0000-0002-7828-300X	ok	Scopus	Google DINA	Google	DINA	Google DNI	ORCID	
34	16935809700	95	Lama, Javier R.	Asociacion Civil Impacta Salud y Educacion - Miraflo	LAMA VALDIVIA, JAVIER RICARDO	91486	08668293		ok	Scopus	Google DINA	Google	DINA	Google DNI		
35	36884983500	95	Woodman, Ronald F.	Radio Observatorio de Jicamarca Lima	WOODMAN POLLITT, RONALD FRANCISCO	17767	09178924		ok	Scopus	Google DINA	Google	DINA	Google DNI		

+ Indicaciones dfScopusIdPorRecuperar Estatus

Explorar

Scope - functionalities

- Visualization in Dspace-CRIS system.
- Navigation for people, projects, patents and publications.
- Full text search (useful for unidentified authors).
- Generation of collaboration networks (authorship).

Limitations and precisions

- It depends on the manual or semi-automatic identification of the persons (authorship).
- It is not a system for qualifying researchers.
- It still does not include research by institutions or areas of knowledge.
- It does not formally constitute a registry (RENACYT).
- It does not collect information from universities and IPIS.

Difficulties

- **Absence of persistent indicators**

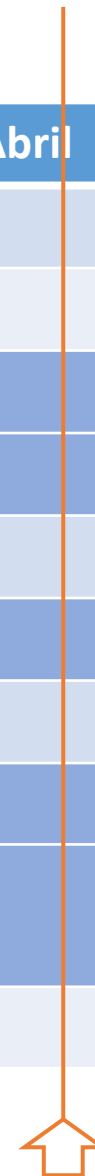
Some records have the name and surname of the person associated with a publication or patent, but do not have the national identification number of that person. Some registries have names and surnames entered manually, allowing human error, which makes it difficult to cross over with information from other systems.

- It requires permanent personnel to identify people and institutions, standardize data, and validate information manually.

- The work team carries out the project in addition to its ordinary functions that can not be disregarded.

Cronograma

	Marzo	Abril	Mayo	Junio	Julio
Piloto					
• Instalación					
• Carga de datos iniciales					
• Evaluación y rediseño					
Plataforma					
• Diseño					
• Implementación					
• Carga de datos					
• Identificación manual y semiautomática de autores e instituciones					
• Presentación final					



Team

Nombre	Función	Descripción
Cesar Olivares	Coordinación	Extracción y transformación de datos, definiciones funcionales
Alexander Rivero	Implementador	Instalación e implementación técnica, capa de visualización
Abel del Carpio	Gestor de información	Obtención de datos, calidad de datos

Demo Dspace-CRIS

The screenshot displays the DSpace-CRIS CONCYTEC-FONDECYT website. At the top, a navigation bar includes links for Home, Communities & Collections, Research Outputs, Researchers, Organizations, Projects, Patents, and Help, along with a search icon and a 'Sign on to:' dropdown. The main header features the CONCYTEC logo, which includes a stylized molecular structure and the text '50 años CONCYTEC CONSEJO NACIONAL DE CIENCIA, TECNOLOGÍA E INNOVACIÓN TECNOLÓGICA'. Below the header, a blue banner reads 'DSpace-CRIS CONCYTEC-FONDECYT'. The main content area is titled 'Bienvenidos al sistema Piloto SINACYT' and contains a search bar with the placeholder 'Search term...' and a search button. Below the search bar are three main categories: 'People' with 3661 items and an 'Explore the researcher community' button; 'Repository other entities' with 564 items and an 'Explore entities' button; and 'Publications, books, articles...' with 22278 items and an 'Explore publications' button. On the right side, there is a 'Recent Submissions' section with a 'Type: Journal' filter. It lists three recent submissions: 'Can dispersive pressure cause inverse grading in grain flows?-reply', 'Drought Impacts Mineral Contents in Andean Potato Cultivars', and 'Particle-yield modification in jetlike azimuthal dihadron correlations in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV'. Each submission includes the title, authors, and a 'Type: Journal' label.

URL: <http://191.98.163.23:8080/jspui/>

Obrigado

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