

The Exploration and Production Databank – BDEP



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Introduction of Brazilian E&P Databank

- ANP shall **organize and upkeep** the information and technical data bank related to petroleum industry activities (Art. 8º, Law 9.478/97);
- The **income of ANP** shall be also derived from the **selling of information and technical data access**, including for bidding purposes . (Art. 15, Law 9.478);
- The technical assets, formed by **data and information** on the brazilian sedimentary basins are also **considered petroleum resources**, to be **collected, maintained and administered by the ANP** an integral part of the national resources (Art. 22, Law 9.478/97);

WHAT IS BDEP?

- It's the **National Databank** of exploration and production data acquired in Brasil.
- Currently it **stores seismic, well log and potential field data** (Grav/Mag).
- It includes data acquired during **Petrobras monopoly** (pre 1998) and also those acquired **after Brasil opened the market** to other companies (post 1998).

- BDEP is the **source of basic** data for the geological studies to be carried out in the **Brazilian Sedimentary Basins**.
- These data are very important for the companies in their **exploration efforts**.
- They are also **essential for ANP**, which uses them in its **own projects**, and in the **licensing rounds** (areas evaluation, preparation of the data package, etc.).



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BDEP Management

- The administration of the technical data acquired in the E&P activities of the oil and gas industry in Brazil is an ANP's legal attribution.
- To take care of this attribution a National Databank was necessary.
- Other Countries models had been studied. The Brazilian model was based in the Norwegian one (DISKOS group).

The BDEP's setup project lasted 1 year (1999/2000) and involved:

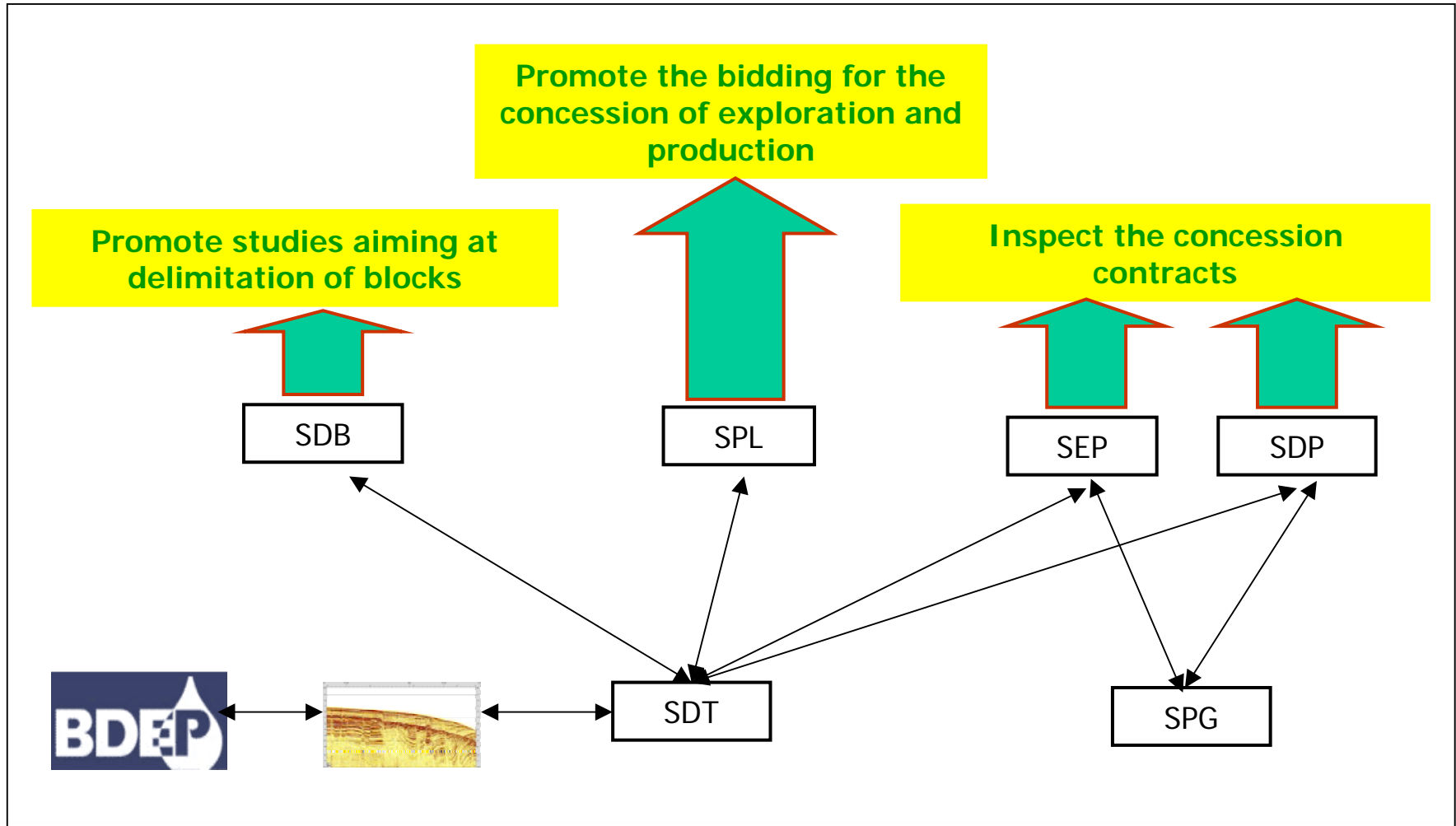
- Site preparation;
- Infrastructure installation;
- Hardware and Software acquisition;
- Loading Petrobra's Data;
- Operation Testing.

During this step a first Steering Committee was created with ANP and more 15 Institutions between Service Companies, Operators, Consulting companies and Universities.

BDEP started operating in 29/05/2000.

Installed in 1.100 m² in Rio de Janeiro, BDEP works 24 hours a day, 7 days a week.





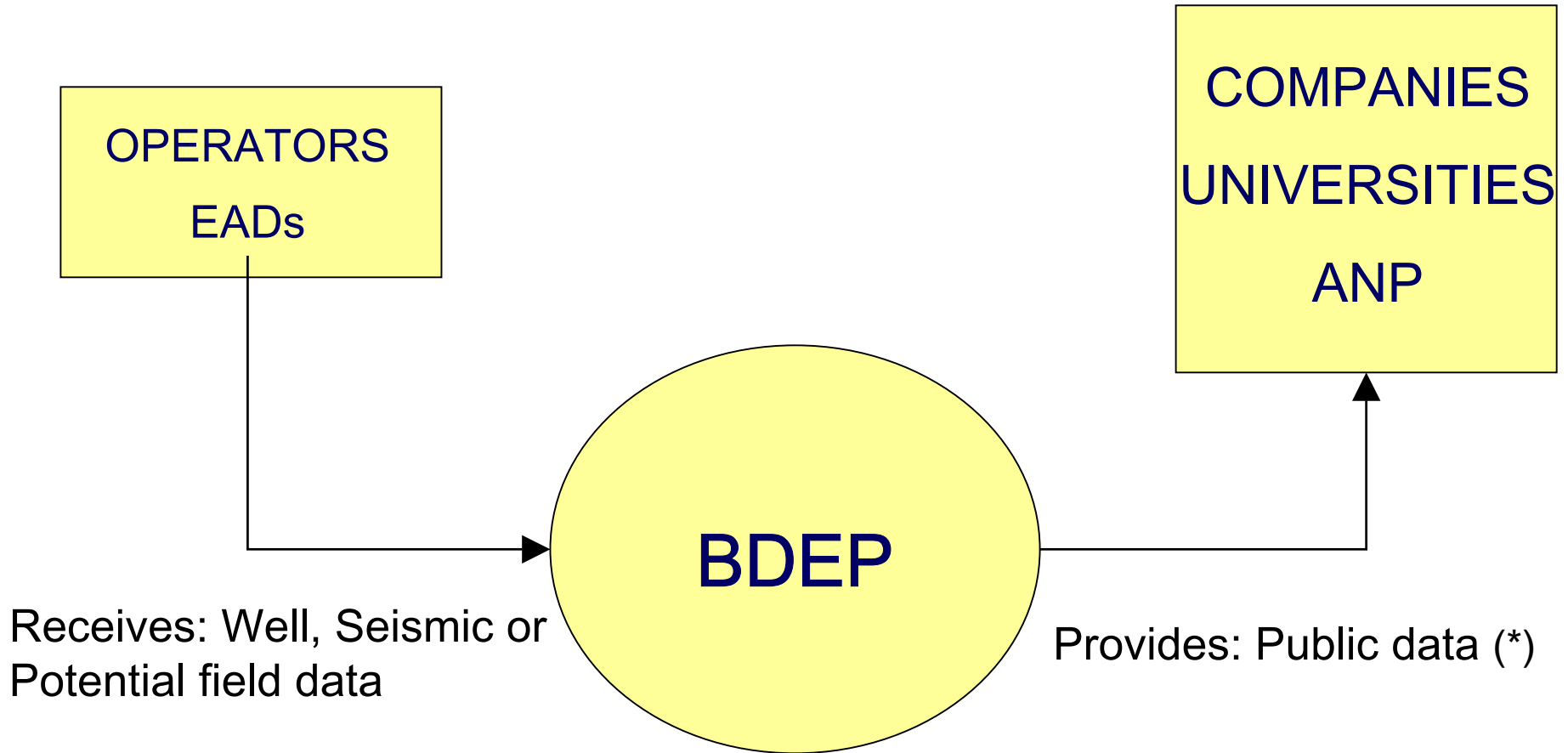


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Business Model



(*) - Or confidential for the ANP

IPR and Licensee's data retention obligations

- The **IPR** (Intellectual Property Rights) in data held by **brazilian Federal State**. The companies can buy only the rights of use them.
- Licensee's data **retention** obligations is **mandatory until end of contract** with ANP.

National Scale Indicator

- Processed Seismic data
 - 289 cartridges (3590)
 - 12,71 TeraBytes
- Pre-Stack Seismic data
 - 182,917 cartridges (3590)
 - 1,7444 PetaBytes
- Wells cultural data - 22.623
- Wells with logs loaded in Pbank - 20.003
- Well File Reports – 17.542
- Composite Log - 4.343
- Potential field methods (Surveys) – 247

Timing of release

- Post-stack seismic data acquired by operator: 05 years
- Pre-stack seismic data acquired by operator: 05 years
- Reprocessing seismic data: 05 years
- Interpreted Data: Never release
- Speculative/non-exclusive data: 10 years
- Well and Potential (Grav/Mag) data: 02 years
- Cultural Data: Public

BDEP Users

- The BDEP attends associated users and eventual users, besides the ANP itself, which is the largest client.
- To become an associated user, a Brazilian company must sign a User's Term, valid for one year.
- Universities have a special treatment.



Business Model



BDEP Associated Users



BG GROUP



ChevronTexaco



Price List of BDEP Associated Users

BASIC SERVICE

Services	ANP1	ANP2	ANP3
Monthly Price	R\$ 36.000,00	R\$ 20.000,00	R\$ 10.000,00
Wells or GB of Seismic post-stack	12 unidades	3 unidades	1 unidade
Cartridge 10 Gb of Seismic pre-stack	6 unidades	3 unidades	1 unidade
Well Basic Curves in LAS	10 unidades	5 unidades	3 unidades

ADDITIONAL DATA

Services	ANP1	ANP2	ANP3
Wells or GB of Seismic post-stack	R\$ 200,00	R\$ 3.000,00	R\$ 6.500,00
Cartridge 10 Gb of Seismic pre-stack	R\$ 400,00	R\$ 800,00	R\$ 1.000,00
Well File	R\$ 1.700,00	R\$ 3.700,00	R\$ 5.700,00
Composite Log	R\$ 800,00	R\$ 1.800,00	R\$ 2.800,00
AGP	R\$ 570,00	R\$ 1.250,00	R\$ 1.900,00
Well Basic Curves in LAS	R\$ 200,00	R\$ 200,00	R\$ 200,00

POTENTIAL METHODS

Services	ANP1	ANP2	ANP3
Gravimetric Survey	R\$ 200,00	R\$ 200,00	R\$ 200,00
Magnetic Survey	R\$ 200,00	R\$ 200,00	R\$ 200,00

Price List of BDEP Eventual Users

BASIC SERVICE	
Wells or GB of Seismic post-stack	R\$ 12.000,00
Cartridge 10 Gb of Seismic pre-stack	R\$ 1.600,00
Well File	R\$ 6.800,00
Composite Log	R\$ 3.400,00
AGP	R\$ 2.300,00
Well Basic Curves in LAS	R\$ 200,00
Gravimetric Survey	R\$ 200,00
Magnetic Survey	R\$ 200,00

Contacts

All contacts with the clients is held by the Help-Desk (helpdesk@bdep.gov.br).

You can query BDEP's data through:

- Clients' room
- CD with Shapefiles
- Email/ telephone for the Help-Desk
- Maps
- Internet - BDEP Web Maps



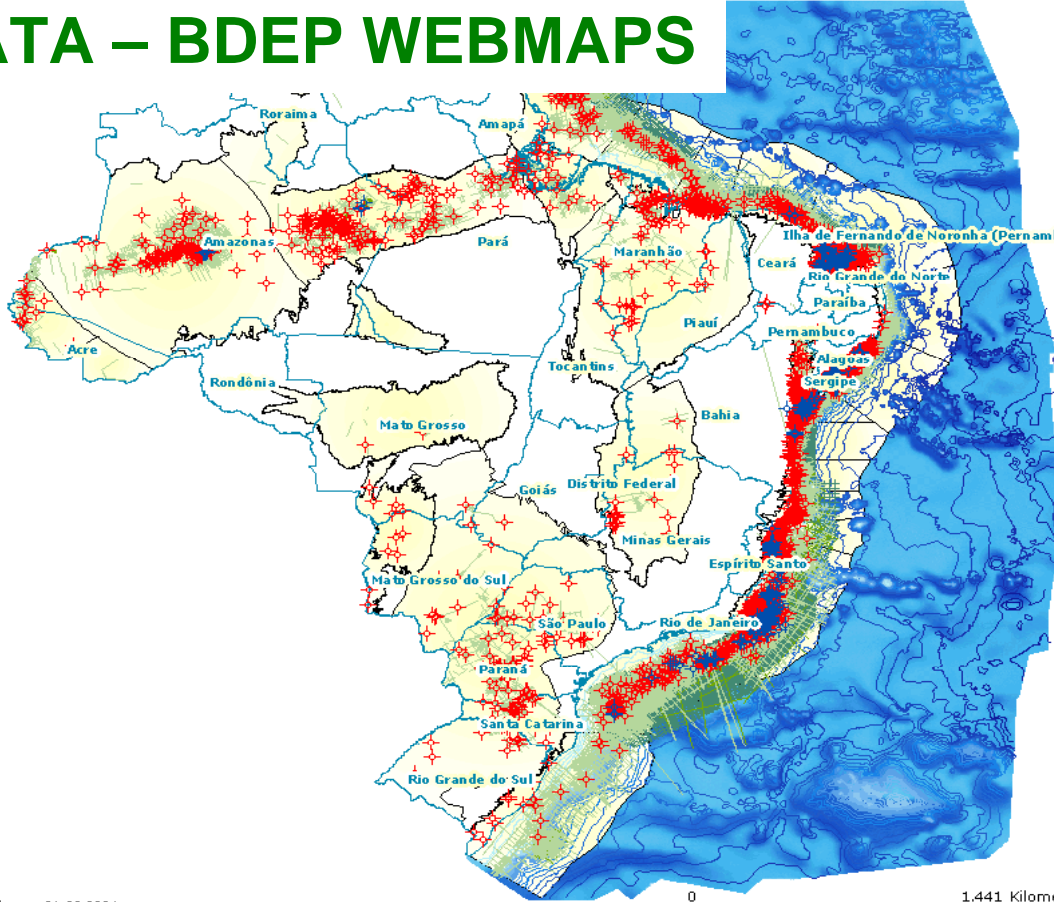
BRASIL.GOV		
	 <h2>Banco de Dados de Exploração e Produção</h2>	
BDEP		
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Adesão		
Dados Disponíveis		
BDEP Web Maps		
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FAQ		
Contato		
<ul style="list-style-type: none"> ▶ Agência Nacional do Petróleo ▶ Serviço Geológico do Brasil ▶ Brasil Rounds ▶ Levantamentos e Estudos Não-exclusivos 	<p style="text-align: center;">Apresentação</p> <p>Banco de Dados de Exploração e Produção</p> <p>A organização, administração, manutenção e disponibilização dos dados técnicos gerados pelas atividades de Exploração e Produção de Petróleo no Brasil, são atribuições legais da Agência Nacional do Petróleo - ANP.</p> <p>Para atender a estas atribuições, a ANP criou o Banco de Dados de Exploração e Produção - BDEP, inaugurado em 29 de maio de 2000.</p> <p>O Banco de Dados de Exploração e Produção - BDEP armazena e disponibiliza dados de sísmica e de poços, gerados pelas atividades de exploração e produção de petróleo nas bacias sedimentares brasileiras.</p>	<p>Notícias do BDEP</p> <ul style="list-style-type: none"> ▶ 24/09: Atualização de Dados Carregados em Agosto de 2003 ▶ 24/09: Atualização das listagens de Poços Não Recebidos e em Avaliação para Carga ▶ 22/09: Versão do BDEP Web Maps em inglês <p>Contato</p> <p>Banco de Dados de Exploração e Produção</p> <p style="text-align: center;">Av. Pasteur, 404 - Bloco A4 - Urca Rio de Janeiro - Brasil - CEP: 22290-240 Tel.: (21) 3981-0109 / 3981-0112 Fax: (21) 2244-0139</p> <p style="text-align: center;">E-mail: email@bdep.gov.br</p> <p style="text-align: center;">Superintendência de Gestão de Informações e Dados Técnicos SDT/ANP</p> <p style="text-align: center;">Rua Senador Dantas, 105 - 11º andar Centro - Rio de Janeiro - Brasil Tel.: (21) 3804-0183 Fax: (21) 3804-0102 / 0103</p> <p style="text-align: center;">E-mail: dados_tecnicos@anp.gov.br</p>
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BDEP Brasil Banco de Dados de Exploração e Produção Ministério de Minas e Energia

SEARCH DATA – BDEP WEBMAPS

- Sísmica 2D
 - Pública
 - Confidencial
- Sísmica 3D
- Grav & Mag
- Setores oferecidos na 6ª
- Campos & Blocos
- Dados Culturais
- Imagem

Atualizar Mapa



Ferramenta Ativa: Zoom In

www.bdep.gov.br | Atualizado em: 01.02.2004

Dúvidas e Sugestões: priscila@bdep.gov.br
(55 21) 3981-0181

Mapa: 81.43 , 5.93 - Imagem: 18 , 231 - Fator de Escala: 0.05970439424364126

Internet



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**Hardware & Software
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Hardware & Software BDEP as NDR National Data Repository



**Robotic Tape Library with
23,37 Tb capacity.**





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Hardware & Software BDEP as NDR National Data Repository

Individual SERVERS





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Hardware & Software BDEP as NDR National Data Repository



**Storage Capacity
120.000 cartridges
(3590's Tapes)**





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**Hardware & Software
BDEP as NDC**



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Hardware & Software BDEP as NDC National Data Center



**STORAGE of 40 Terabytes
in disks up to 5 Petabytes.
(under construction)**





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Hardware & Software BDEP as NDC National Data Center

**Integrated SERVERS with
automatic failsafe system
(under construction)**





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Hardware & Software BDEP as NDC National Data Center

**Storage Capacity increase
with high capacity cartridges (3592'sTapes)**





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Future Plans

- Change all 3590 tapes (10-40 GB) for 3592 (300-700 GB);
- Use a 40 TB Storage to load all post-stack seismic and reprocessed seismic data in disk;
- Start WEBSERVICES;
- Build a Visualization Room; and
- Load PRODUCTION data in Databank



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THANK YOU!

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