Projects in progress
- Marine geochemical survey at the Ceará Basin
- Seismic surveys at the Acre, Amazonas and Parecis Basins
- Processing of seismic data from the Acre, Amazonas, Parnaiba and São Luís Basins

Projects being contracted in 2011
- Magnetotelluric survey at the Amazonas, Parecis and Paraná Basins
- Second seismic survey at the Parnaiba Basin
- Geochemical survey at the São Francisco and Tacutu Basin
- Marine, geochemical survey (piston core) at the Foz do Amazonas Basin.
- Petroleum systems studies on the Northern portion of the São Francisco Basin.

Projects scheduled for 2012-2014
- Drilling of the stratigraphical wells at the Acre, Parecis, Parnaiba, São Francisco and São Luís Basins
- Drilling of the stratigraphical wells at the Santos Basin presalt area
- Second seismic survey at the Paraná Basin
- Second seismic survey at the Parecis Basin
- Seismic survey at the Tacutu Basin
- Seismic survey at the São Luís Basin
- Seismic survey at the Marajó Basin
- Seismic survey at the Tucano Norte Basin
- Gradiometric survey at the Paraná and Parecis Basins
- Processing and reprocessing of seismic data at the Amazonas, Marajó, Paraná, Parnaiba and Solimões Basins
- Terrestrial, geochemical survey of the Marajó and Jatobá-Tucano Norte Basins.
The Pluriennial Plan of Geological and Geophysical Studies (PPA) is ANP’s plan of investments aimed at gathering technical data on Brazilian sedimentary basins known as new exploratory frontiers. As a part of the Growth Acceleration Plan (PAC) of the Federal Government, it is an important instrument for regional economic development.

Expanding the knowledge

ANP has the legal duty of carrying out geological, geophysical and geochemical studies and surveys to increase the knowledge of the oil & gas potential of the Brazilian sedimentary basins. ANP’s PPA identifies the basins to be studied; the types of studies most indicated and plans the investments.

Brazilian sedimentary basins

Brazil has around 7.5 million sq km (2.9 million sq mi) of sedimentary basins, being 2.5 million onshore and 5 million offshore. There is a total of 38 basins, 29 of which have high oil & gas potential. Only 5% of that area is under exploration or development activities (granted concessions). Only 6 basins are well known: the mature basins of Recôncavo, Potiguar (onshore), Espírito Santo (onshore), and Sergipe-Alagoas (onshore) and those of high potential, of Campos and Espírito Santo (offshore).

Among the least known Brazilian basins, there are onshore basins dating back to the Paleozoic and Proterozoic, excellent producers of petroleum and natural gas in other regions of the world. These numbers show how great the Brazilian O&G potential is, and indicate the need for research on the sedimentary basins, so that the reserves and the production of the country may maintain its continual growth.

PPA’s studies and surveys already concluded

These projects, part of the PPA 2007-2014, are already concluded:

- Gravimetric and magnetometric aerial survey at Acre-Madre de Dios, Amazonas, Paraná, Parnaíba, São Francisco, São Luís-Marajó and Solimões basins
- Geochemical surveys at Acre, Araripe, Parecis, Parnaíba and São Luís basins
- Marine, geochemical surveys (piston core) at Jacuípe and Pelotas basins
- 2D seismic surveys at São Francisco, Paraná and Parnaíba basins

Knowledge of the oil and gas potential

<table>
<thead>
<tr>
<th>Type of Basin</th>
<th>% of Total Brazilian Basins Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Onshore new frontiers</td>
<td>66%</td>
</tr>
<tr>
<td>Mature basins</td>
<td>1%</td>
</tr>
<tr>
<td>Offshore new frontiers</td>
<td>24%</td>
</tr>
</tbody>
</table>

Investments and studies in 22 basins

PPA 2007-2014 was initially established for the 2007-2011 period. It was recently expanded for three more years. The total investment for this eight-years period is estimated at 1.8 billion Reais for studies in 22 sedimentary basin.

PPA activities include seismic surveys, processing and interpretation old seismic data, magnetotelluric surveys, studies of petroliferous systems, geochemical surveys and drilling of stratigraphic wells.

Focus on new frontiers

PPA focuses on onshore and poorly explored or unexplored offshore sedimentary basins — areas known as exploratory new frontiers. Exploration activities on new onshore basins create business opportunities in the oil & gas sector for companies of various sizes.

Updated and expanded for the year 2014, the PPA had included recently the drilling of two stratigraphic wells in the pre-salt area, in the Northeast of the Santos Basin. The purpose is to get more far-reaching information about the area for future bids to be promoted under the new production sharing regime (ruling the yet to be granted area of the pre-salt polygon, established by Law 12.351/2010).