



Organización Latinoamericana de Energía
Latin American Energy Organization
Organisation Latino-américaine d'Énergie
Organização Latino-Americana de Energia

National roadmap Bioenergy Technologies in South America: the Importance of "How2Guide" Initiative

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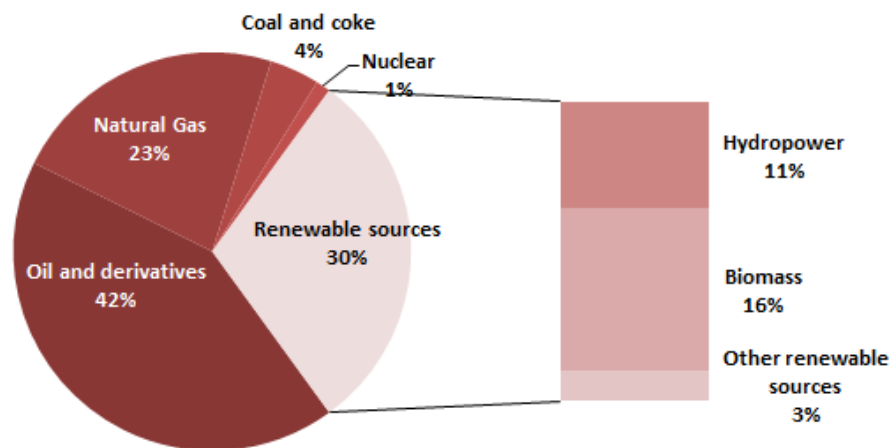
International Workshop on Bioenergy in South America

November 27 and 28, 2014

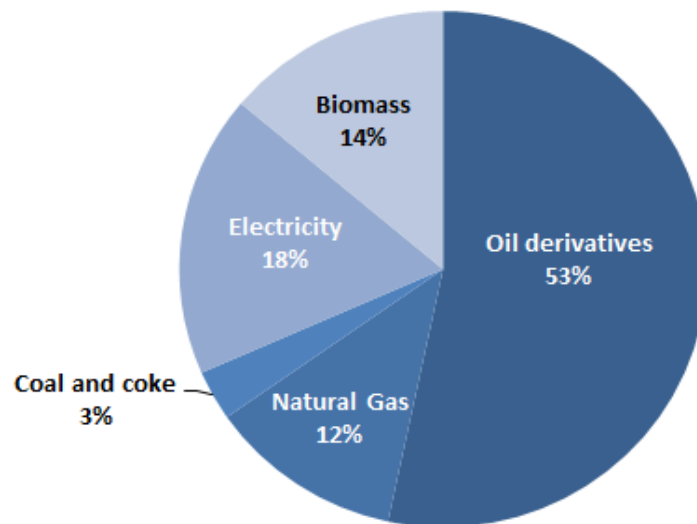
Piracicaba, Sao Paulo, BRAZIL

OLADE - South American Energy Matrix

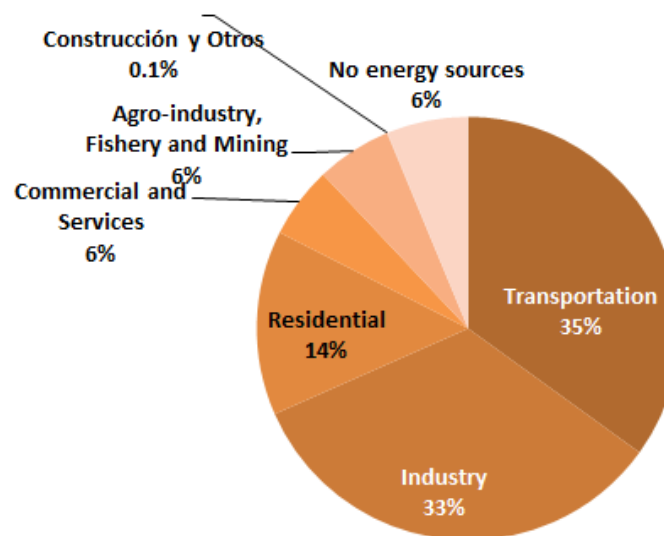
UNASUR. Matrix of total energy supply . Year 2013
Total 4 255 Mboe



Unasur , final consumption of energy by sources.
Year 2013 - Total 3 184 Mboe



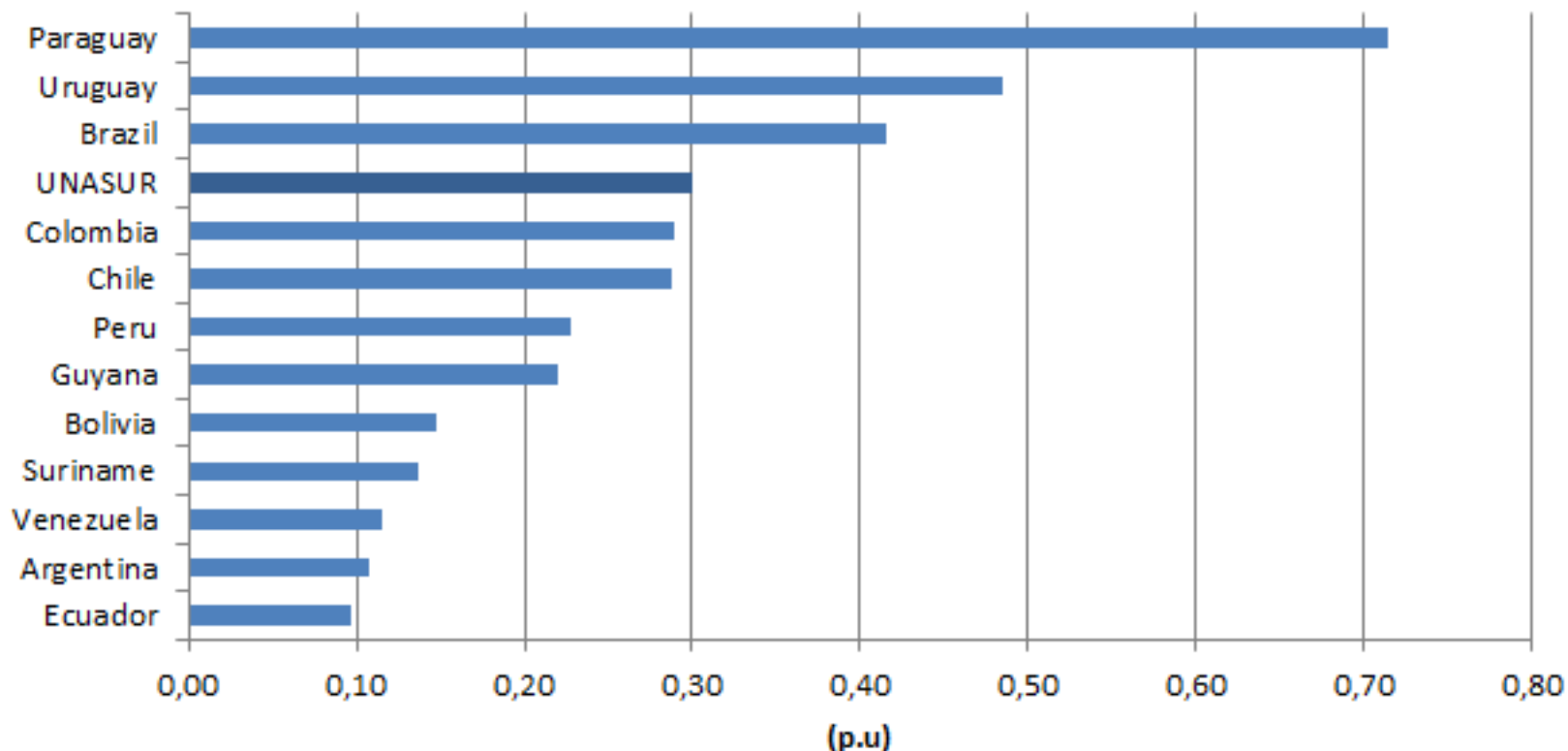
Unasur, final energy consumption per sectors. Year 2013
Total 3 184 Mboe



Energy Data collection

- Data provided by Energy Ministries.
- Available at the OLADE's Energy Information System.
- Data used for planning purposes.

Unasur, renewability index of domestic energy supply. Year 2013



Bioenergy in South America

Policy framework for bioenergy in the Region:

Most of the countries have an electricity policy or law that consider renewable energy, including some specific rules to promote power generation; a few of them have targets and support measures as feed-in tariffs and tax exemption.

Assessed of biomass resources in the Region:

In general there is a lack of resource availability, specially regarding residues potential.

Market potential and economic impact of bioenergy production:

At the regional level there is not this information available, mainly because they were not elaborated. There is a room for this kind of assessment.

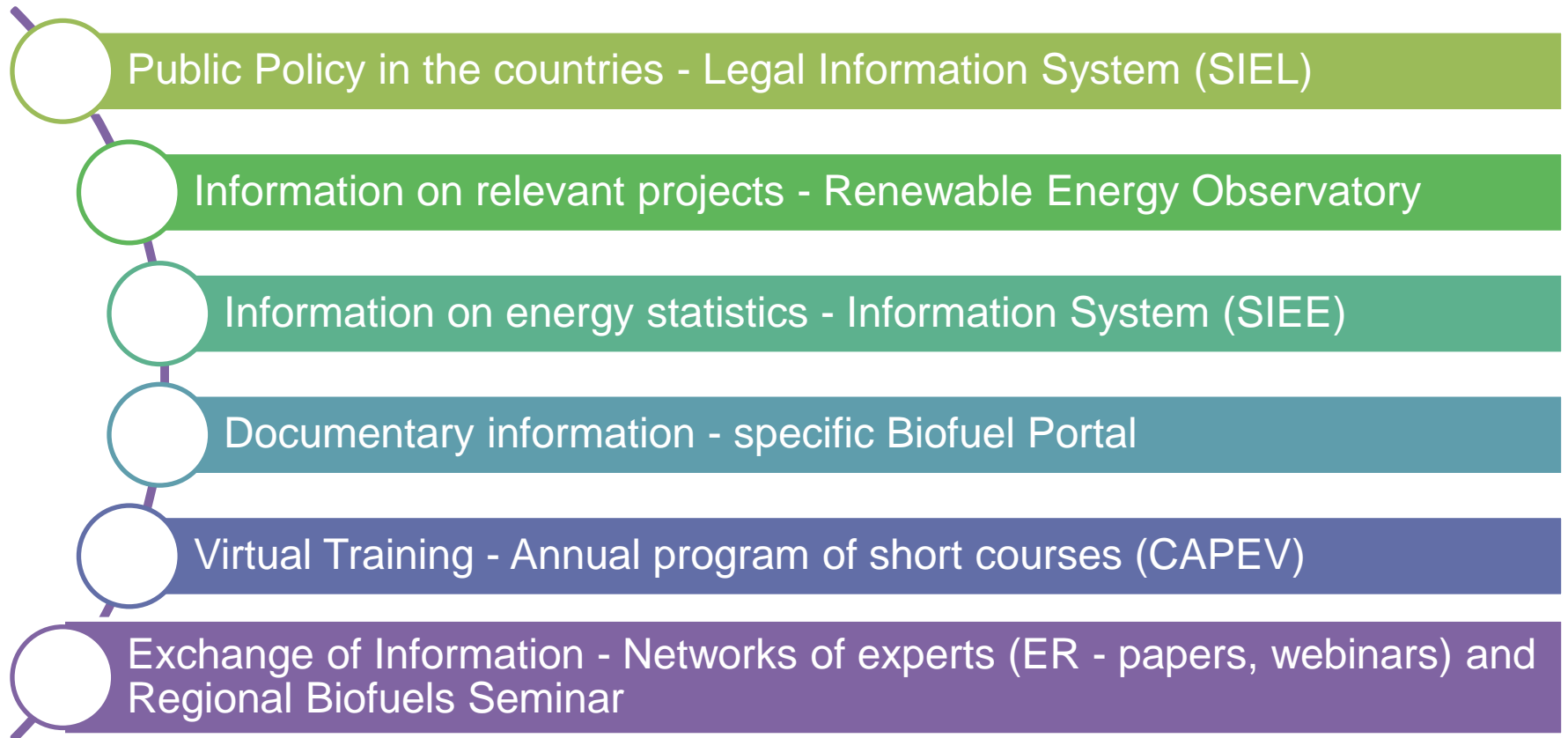
Technology available in the Region:

There is technology available for ethanol, biodiesel, biogas and co-generation production.

OLADE - Main Bioenergy sources & technologies available in SA



OLADE - Platform to support the development of bioenergy



- **Scaling up in the contribution of bioenergy sources to the energy generation in LAC.**
- **Improve the contribution of LAC countries to GHG reduction through the use of friendly technologies.**
- **Added value for agro-industry residues improving their production process.**
- **Dissemination of available commercial technology in the Region for the production of ethanol, biodiesel, biogas and co-generation.**
- **Support to the countries in the strengthening of accurate public policies to avail of biogeneity resources.**
- **Share lessons learned on the experience of the Region and overseas.**
- **Create an international alliance to support the bioenergy technologies' use among the Region.**

Conclusions:

- **South America has significant potential for bioenergy, but proper quantification in several countries is required.**
- **The exploitation of this potential requires support in different aspects: political, institutional, regulatory, technical and financing. These conditions are not complete in all the countries of the sub-region.**
- **OLADE has several tools to support the development of bioenergy, both in terms of improvements in public policies, exchange of experience and training and targeted technical assistance, but greater cooperation is required.**
- **OLADE has strategic partnerships with institutions of international cooperation such as: FAO, ECLAC, IICA, IRENA, CIBIOGAS / ITAIPU BINATIONAL.**