

REUNION ISLAND A BRIEF SUMMARY

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La Réunion : a French island in the Indian Océan



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Geographical constraints

- 2 507 km^2 & 207 km of coast
  - Land use density is concentrated over 1/3 of the surface
  - A high craggy land (volcanic Island)
  - 421 km² of agricultural area (42 112 ha)
  - 242 km² of sugar cane fields (24 286 ha)
    = 58 % of agricultural land

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A young population

- 845 000 inhabitants (2014)
  - 32 % < 20 years old
  - 50 % < 35 years old
  - European, African, Indian, Chinese, Indian Muslim,…
  - High fertility rate (ICF = 2,38 / national = 2,01)



- 345 000 active workers
  - Unemployment rate : 38 %

(Pole Emploi 2013)

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Economy

- Sustained economic growth
  - GDP per capita 2010 = € 17 700
  - 62 % of European average



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REUNION: A SUGAR ISLAND

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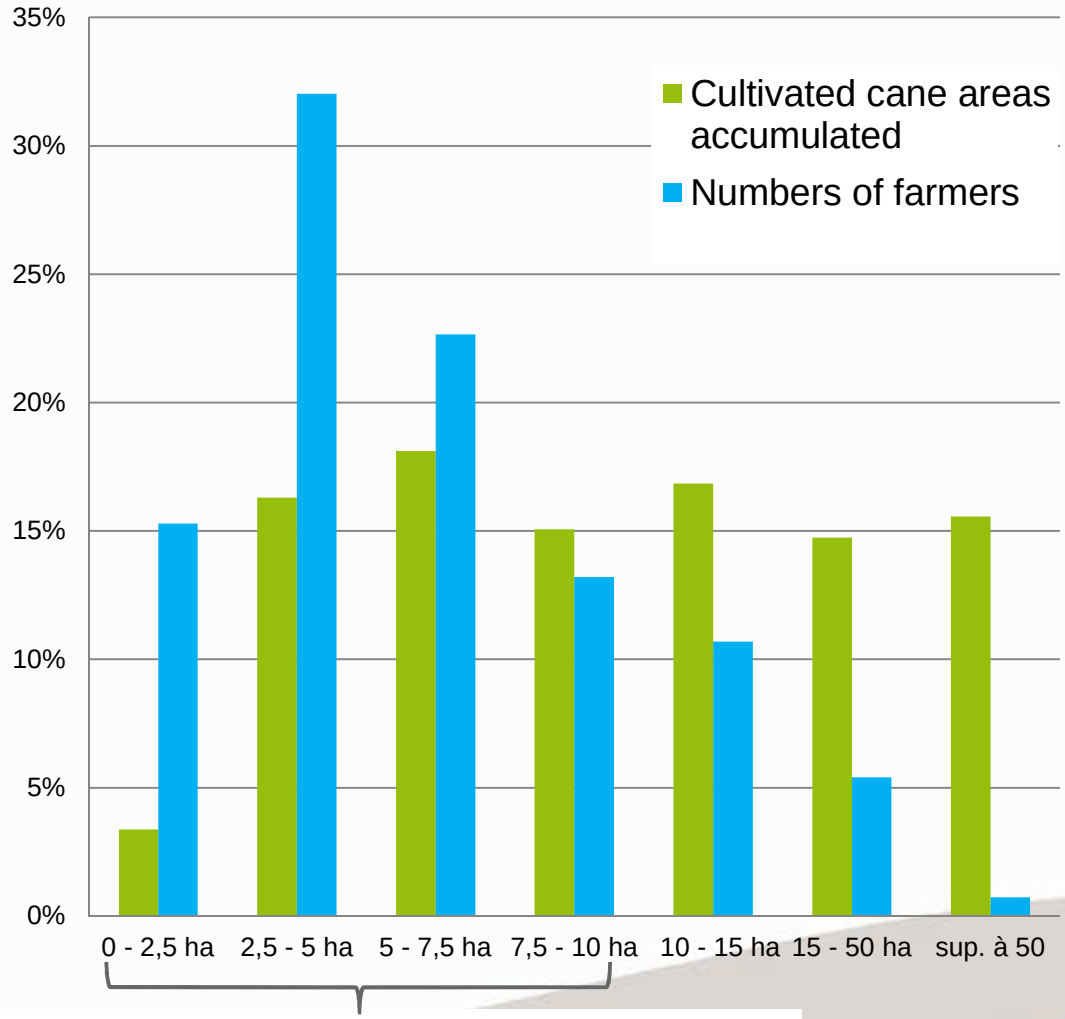
History

Dates	Reunion island	Sugar cane
1507-1512	Mascareignes discovery	
1665	Colonization beginning	
1700		sugar cane used to produce 'arack'… and then to produce sugar
1740		**1st sugar plant**
1815		sugar cane raised at the 1st place of the colonial economy
1830-1860		golden age **190 factories - 60 000t.**
1848	Slavery abolition	
1860		crisis
1935		**14 sugar plants**
1946	french Department	**12 sugar plant**
1982	Decentralization laws	**5 sugar plants**
1996	Abolition of the national minimum salary	End of sugar restructuring: **2 sugar plants** - 210 000 t.
2009	Tereos buy Quartier français group	Sugar's one operator - Reunion

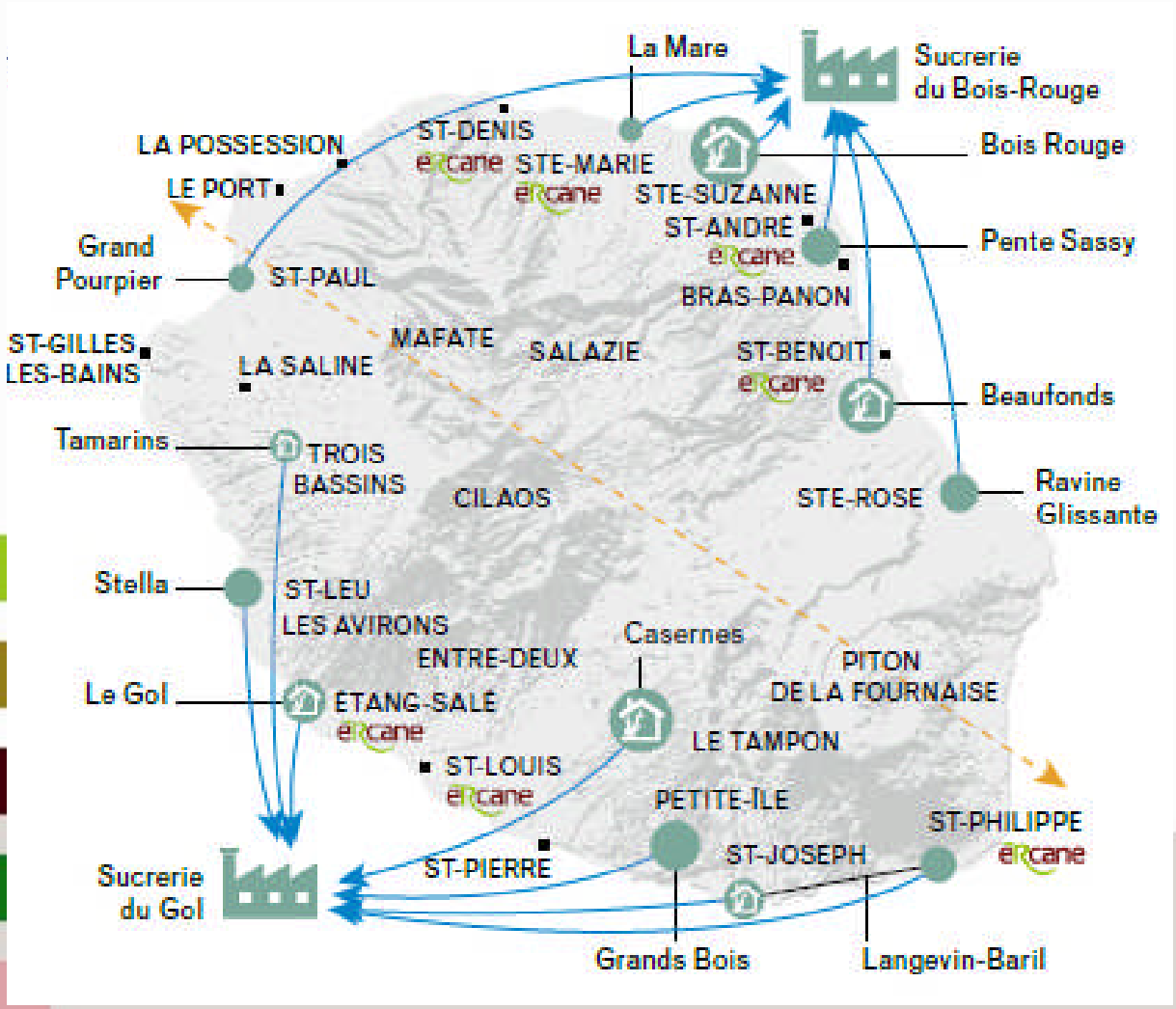
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Mapping the Sugar Cane sector
- Agricultural background

- Sugar Cane farms
  - 3,500 farms
  - The average farm size is 7.6 hectares (for a Utilised Agricultural Area in Sugar Cane of 24,286 ha).
  - 84 % of farmers grow less than 10 ha.
  - 90 % of farmers deliver less than 1,000 t.
  - 10 % of each farm's agricultural area are dedicated to diversification.



- An effective organisation covering the whole territory



Reception point

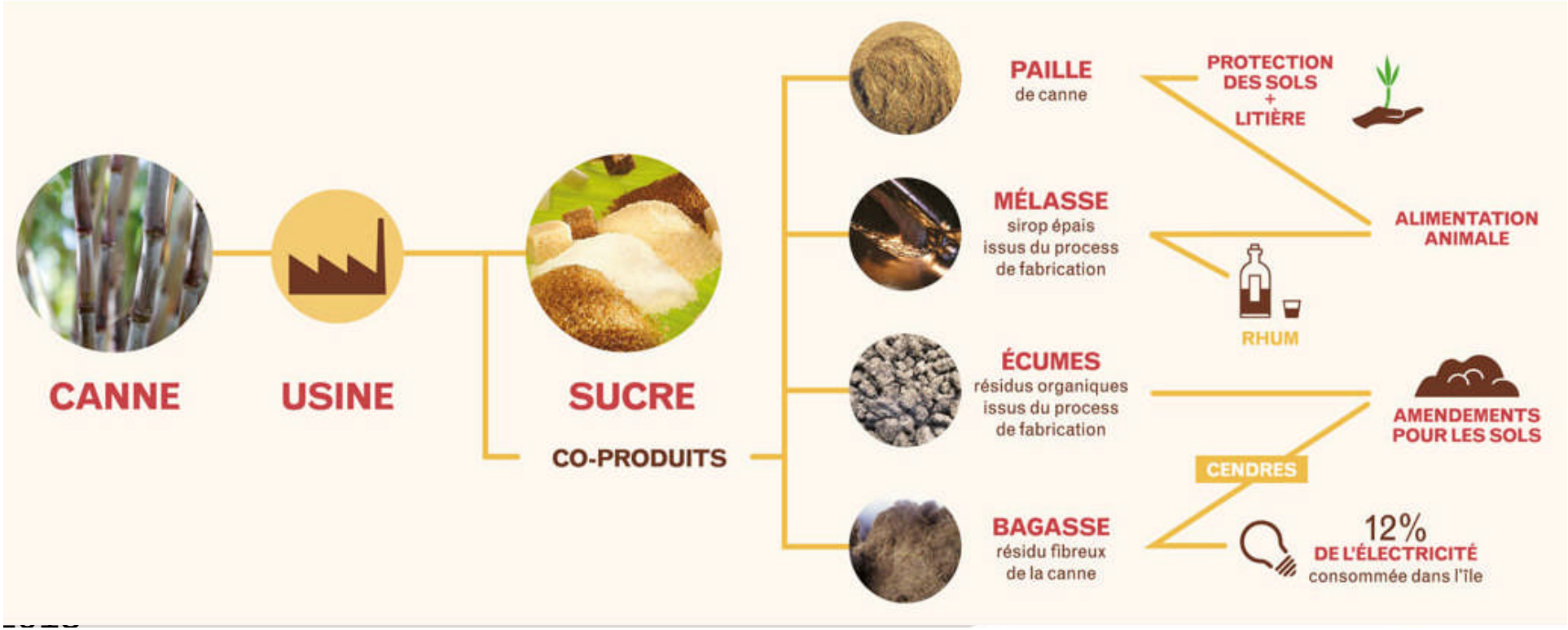
Factory

Pôle Canne

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2015

- Key figures
  - 1,9 Mt of Sugar Cane
  - 210,000 t of sugar
  - 70,000 t of molasses
  - 570,000 t of bagasse
  - 80,000 t of muds
  - 285 GWh



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Private institute owned by Reunioneese sugar industry

- 5 areas
  - Cane breeding
  - Cultivation techniques
  - Sugar processing and industrial innovations
  - Industriel automation
  - Biorefinery
- A wide network of partners
- International recognition



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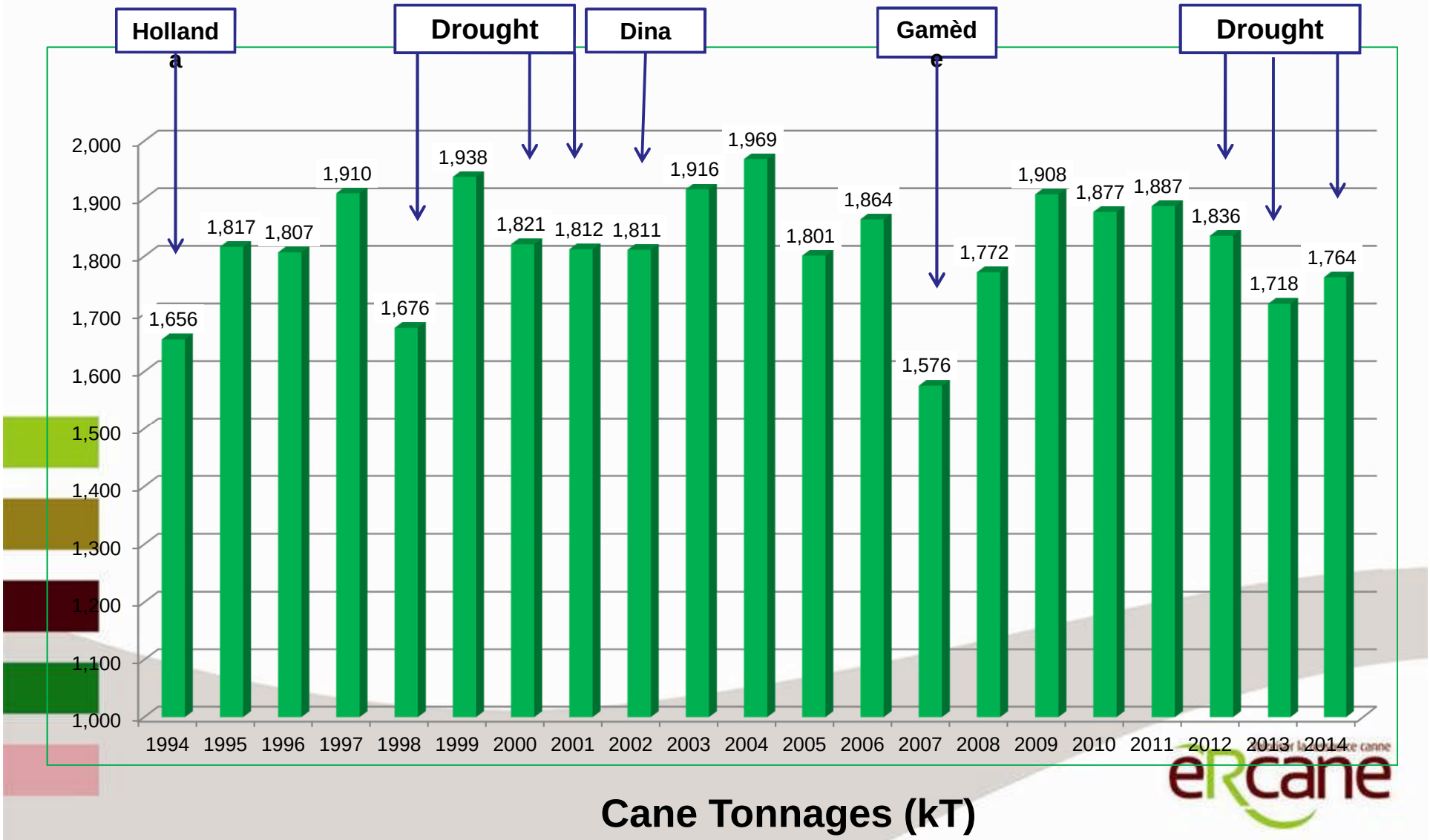
CIRAD

French public research center

- Research programs in Reunion
  - Genetic (Partnertship with eRcane)
  - Phytopathology
  - Entomology
  - Agronomy
  - Remote sensing & GIS

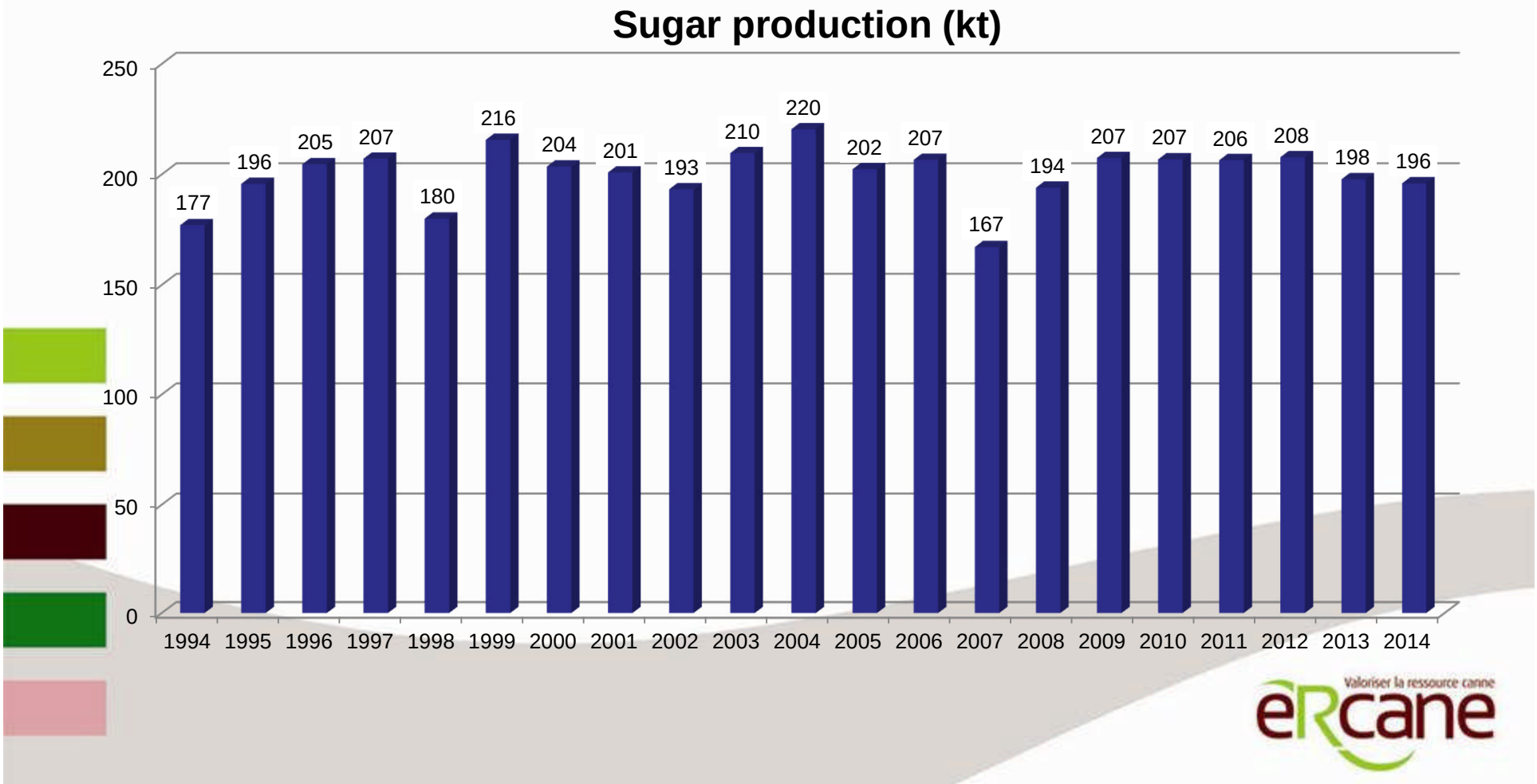
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- Sugar cane : a resilient crop



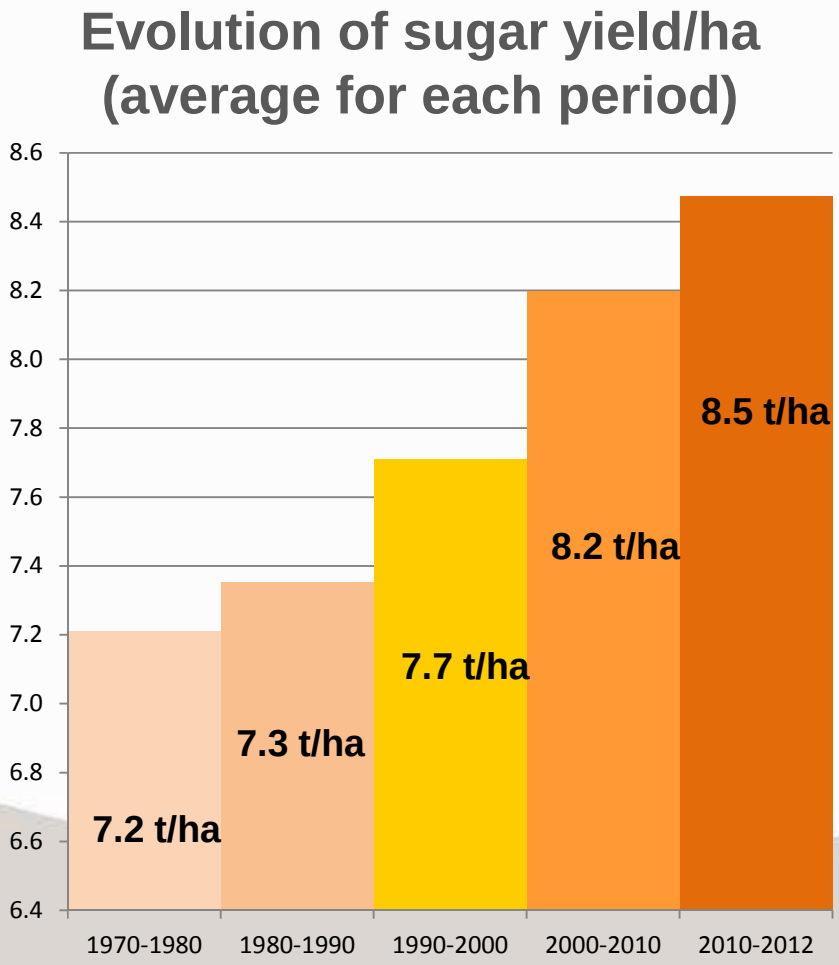
Cane Tonnages (kT)

- Cane Sugar: a resilient production



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- Growing farm yields

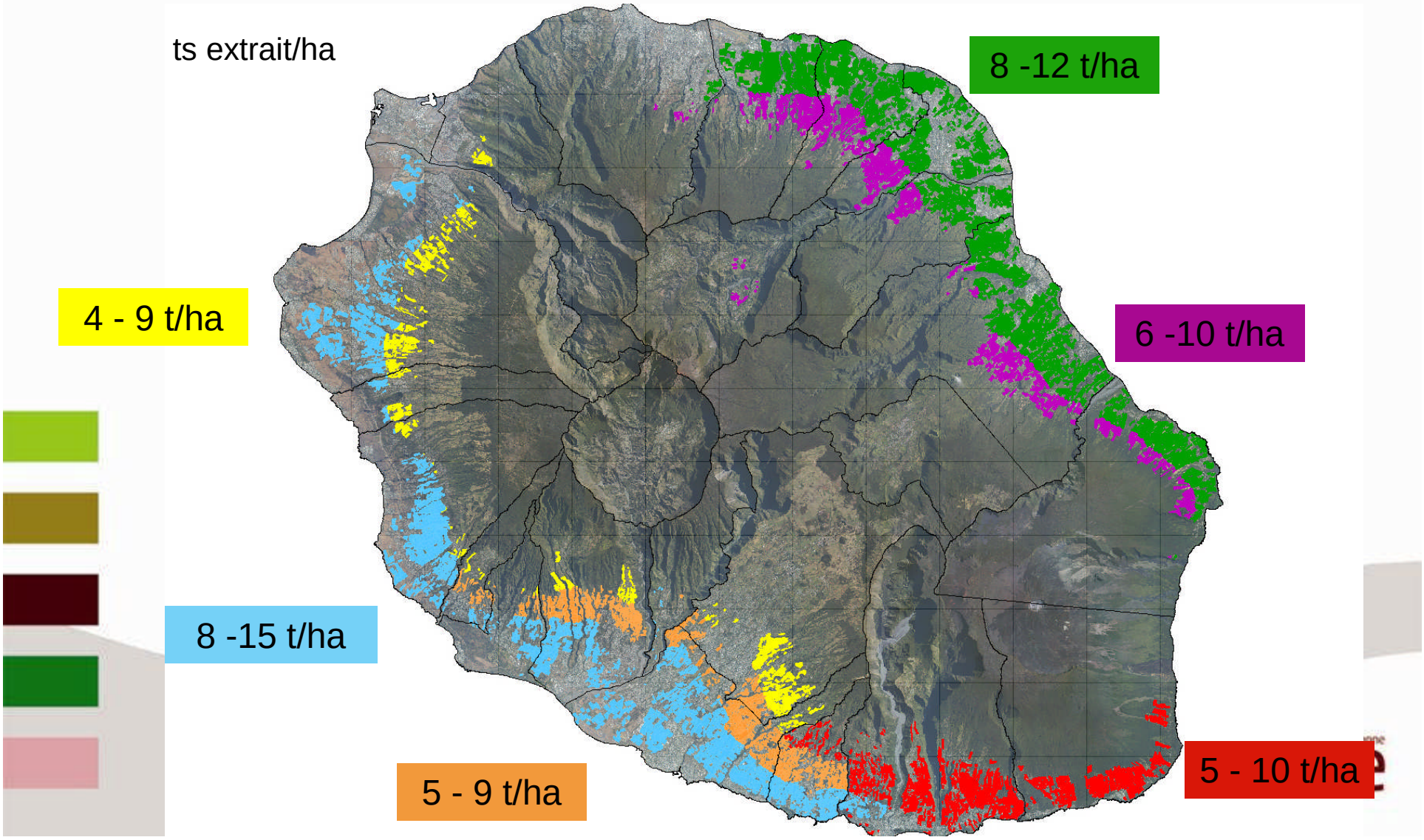


• Sugar yield per hectare has grown by 18 % since the 1970s thanks to progress due to variety selection and farming practices.

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Sugar production per ha per area

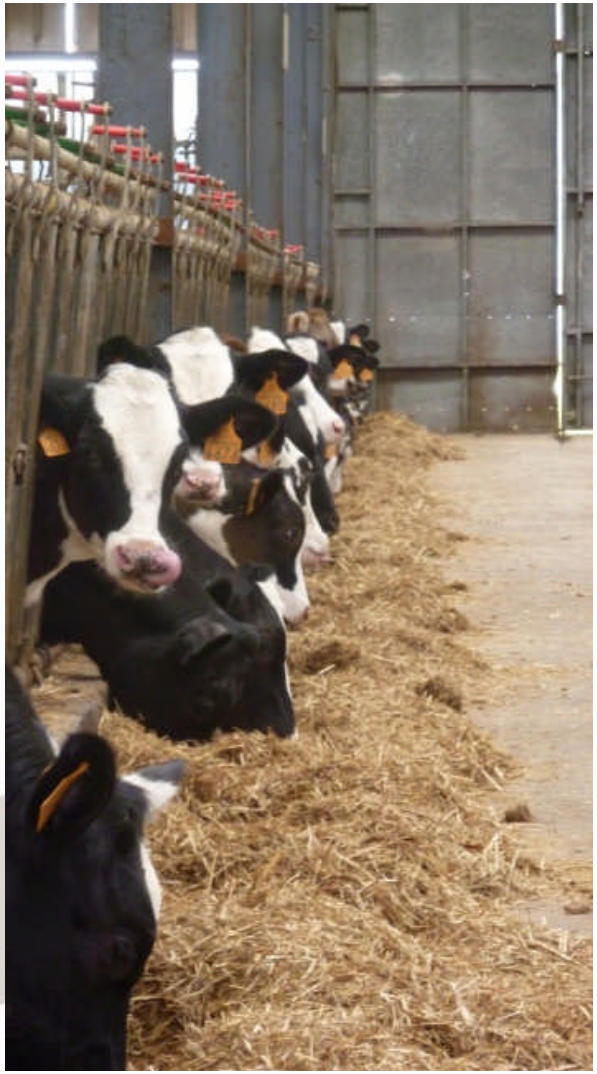
(en couleur : les zones de production de canne à sucre)



- Sugar cane sector :

an integrated sector, backbone for Reunion Island’s farming model

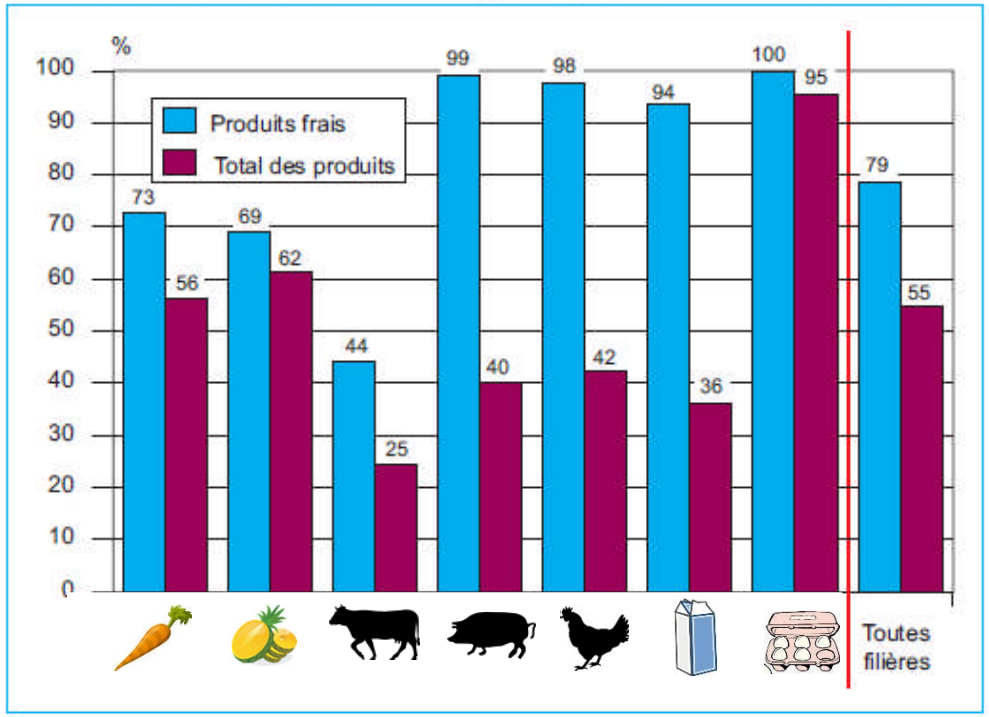
- Working together with livestock farming
  - Supply of silage and hay
    (current project to increase inputs)
  - Supply of molasses for feed (current project to increase inputs)
  - Better management of waste: spreading of livestock manures on Sugar Cane fields



- Sugar Cane: a safe income, key for diversification
  - Has better resilience than any other crop: with maximum 15 % of losses in case of the worst climatic events.
  - Guaranteed issue for all Sugar Cane produced within the interbranch framework.
  - A secured income for the farmer who can risk diversification towards other crops.

- A successful farming model
  - 80 % self-sufficiency on fresh agricultural products (animal and vegetable).
  - Local food customs taken into account (some productions cannot be produced because of climatic conditions)
  - Assessed needs to reach complete autosufficiency of fresh products : 2,000 ha
  - 5,500 ha of uncultivated farm land. Between 2008 and 2013, 3,100 ha have been brought back to production

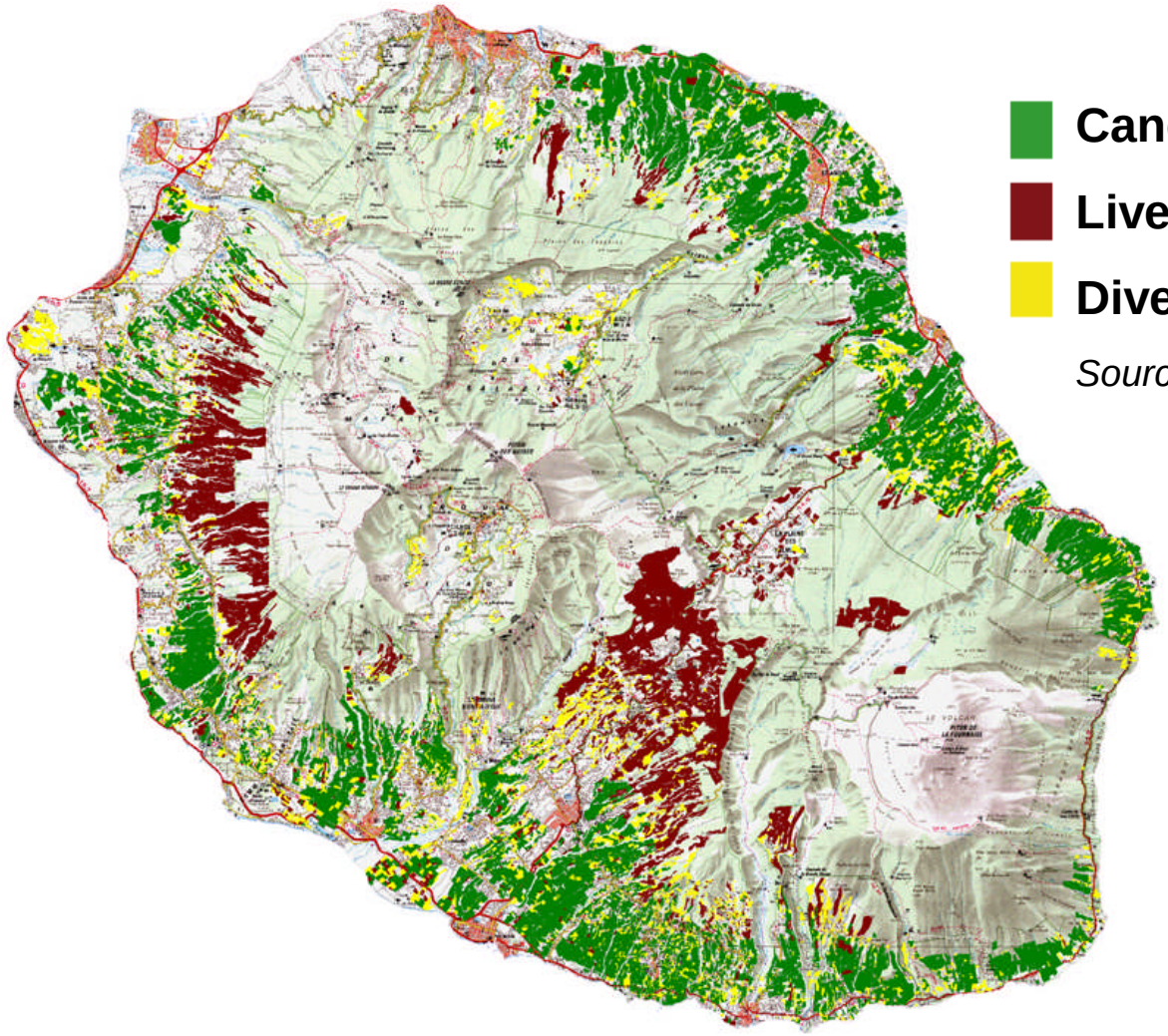
Taux de couverture du marché par la production locale en 2013



Sources : Douanes, DAAF de La Réunion - Agreste - Statistique agricole annuelle

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- The complementarity between the sectors in land use



Cane : about 24 500ha

Livestock : 11 300ha

Diversification : 6 500ha

Source : BOS 2014

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A KEY SECTOR FOR REUNION ISLAND'S ECONOMY

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- A major asset for the tourism industry

  – Essential component of the island's identity and history
  – Outstanding landscape
  – Custodian of Creole heritage
  – 70,000 visitors per year on sites dedicated to Sugar Cane (factories, museums…)



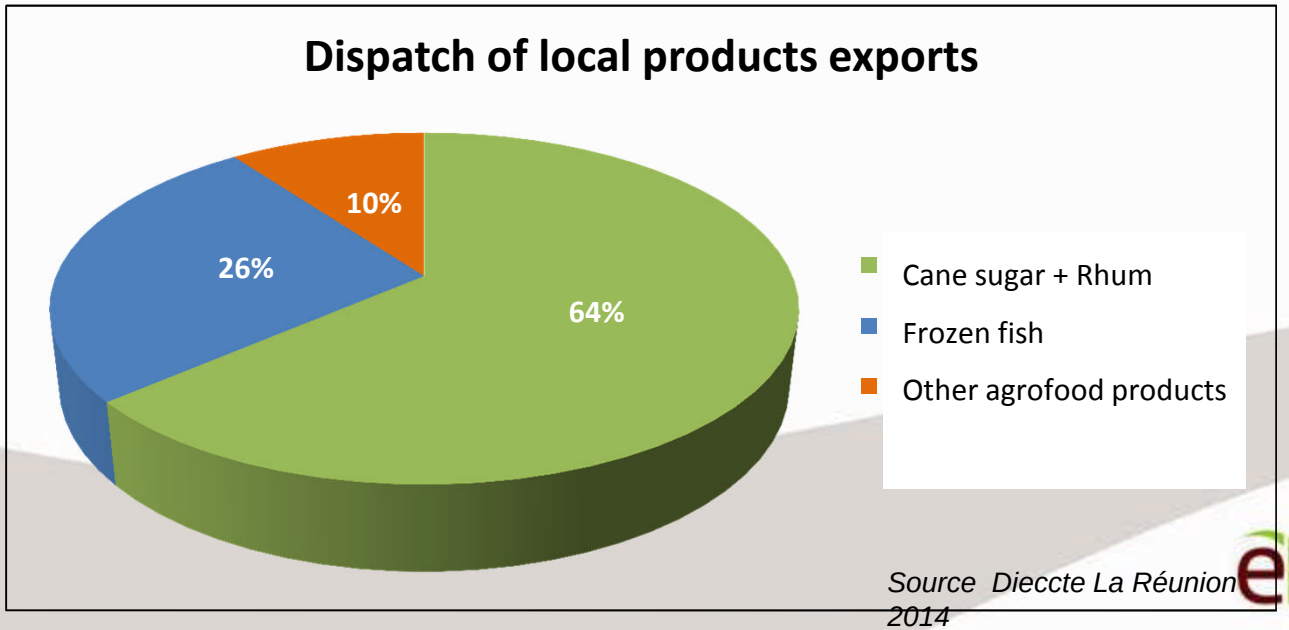


- A main contribution to energetic autonomy
  - 10 % of local electricity supply produced with bagasse (285 GWh)
  - 2nd largest renewable energy source after hydroelectricity
  - 145 kt coal imports avoided
  - 1 t of sugar cane bagass covers the electrical consumption for one inhabitant during two months (1 t = almost 150 KWh).



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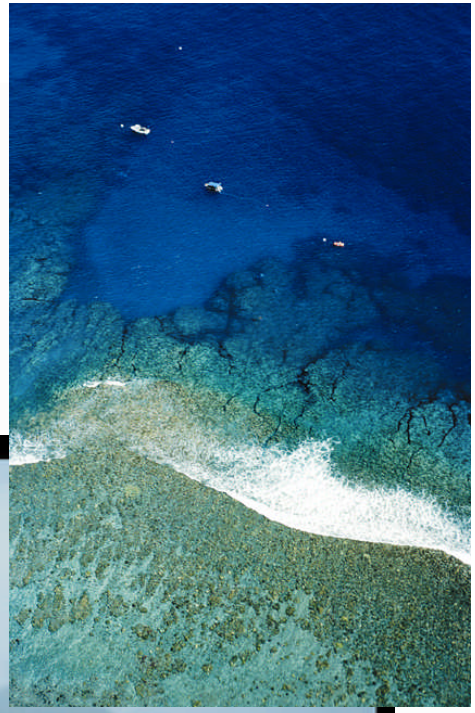
- A sector which exports its products.
  - 1st exporter
  - Nearly 95 % of local produced sugar are exported.
  - Sugar represents between 40 % and 50 % of local-made products exported in terms of value.
  - Sugar represents 80 % of local exports in terms of volume.



Source Dieccte La Réunion 2014

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THANK YOU





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