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Regional solar plan : Objectives and support schemes

Focus on Photovoltaic solar energy



Région
Provence
Alpes
Côte d'Azur

UNE COP D'AVANCE : LE PLAN CLIMAT DE LA RÉGION PROVENCE-ALPES-CÔTE D'AZUR

Regional energetic situation

Consumption : 13 Mtoe

Industry : 5 Mtoe

Oil products : 5,5 Mtoe

Primary production : 1,5 Mtoe

Hydroelectricity – 930 ktoe

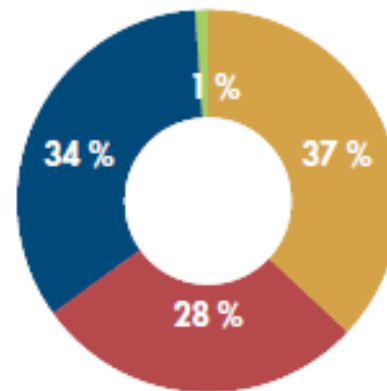
Wood energy – 440 ktoe

photovoltaic – 130 ktoe

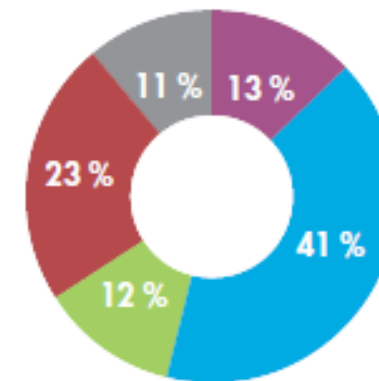
PV capacity in Region :

- 14% of the national installed capacity

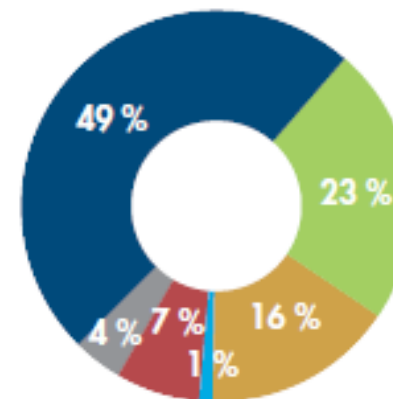
- But covers only 4% of the regional electric consumption



Consommation régionale d'énergie finale par secteur d'activité.



Consommation nationale d'énergie finale par combustible.



Production régionale d'énergie primaire par filière en 2018.

Source : ORECA

The National Energy Strategy – Energy multiannual programming (PPE) – 2018-2028

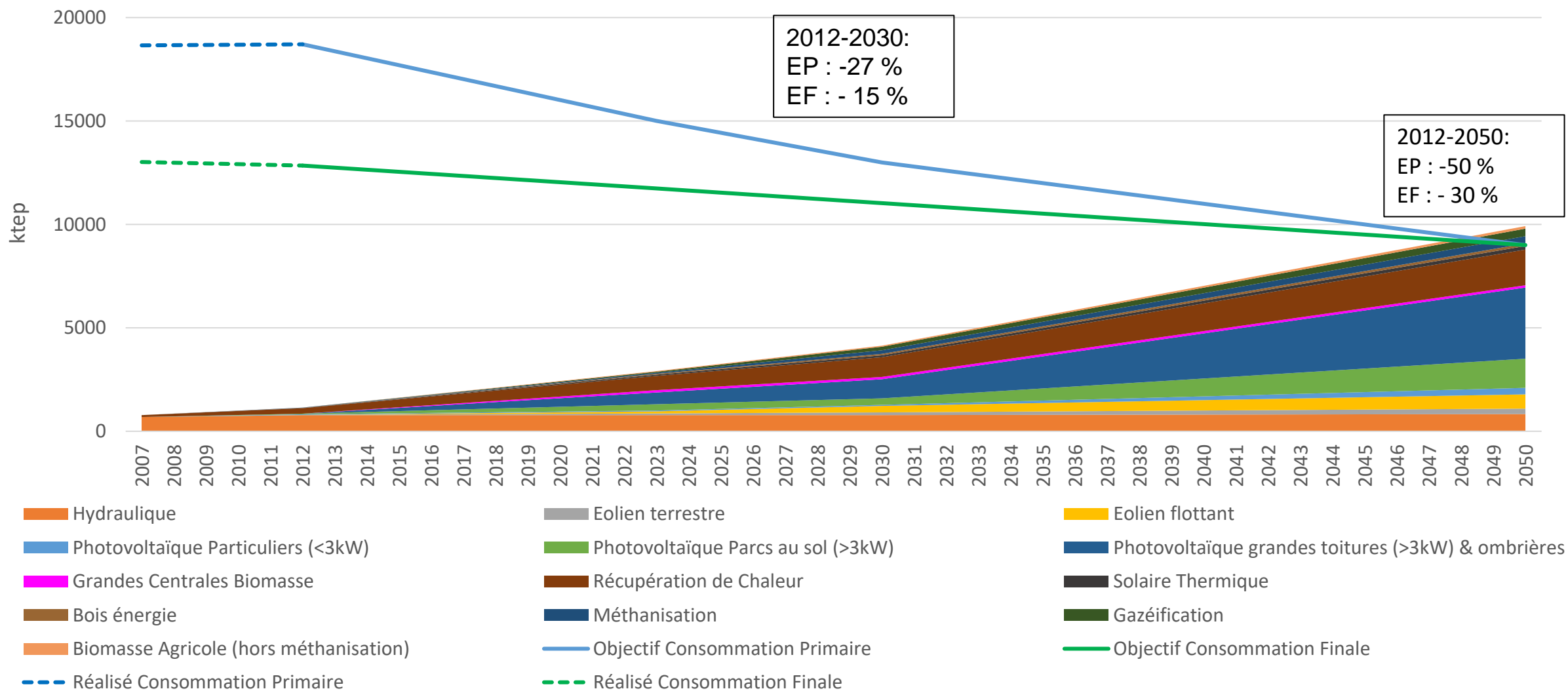
- **Objective : diversify the energy mix by developing renewables energies**
- Double by 2028 the installed power capacity of electric RE until 2028 :
 - 2023 : 74 GW
 - 2028 : 102 à 113 GW
- Photovoltaics (PV) : multiply by 5 the PV capacity :
 - 2018 : 8.5 GW
 - End 2023 : 20.6 GW
 - End 2028 : between 35.6 and 44.5 GW



The Regional scenario : « A carbon neutral Region » by 2050

- **50% reduction of regional consumption between 2012 and 2050** to be able to reach a balance between consumption and renewable production
- **mobilization of 100% of the identified potential for each renewable energy source by 2050**, which could cover half of the region's current energy consumption
 - Multiply the production of solar photovoltaic power by 10 until 2030 (11 000MW)
 - Reach more than 30 000 MW in 2050
 - Develop in priority high capacity photovoltaic installations on roofs and degraded grounds

Regional scenario : « A carbon neutral Region » by 2050



Scénario proposé - Production

*L'article R4251-5 du CGCT indique : « Les objectifs quantitatifs de maîtrise de l'énergie, d'atténuation du changement climatique, de lutte contre la pollution de l'air sont fixés par le schéma à l'horizon de l'année médiane de chacun des deux budgets carbone les plus lointains adoptés en application des articles L. 222-1-A à L. 222-1-D du code de l'environnement et aux horizons plus lointains mentionnés à l'article L. 100-4 du code de l'énergie » : soit 2021 (Budget carbone 2019-2023), 2026 (Budget carbone 2024-2028) et 2030 / 2050 (Art. L100-4)

Puissance (MW)		2012	2021*	2023*	2026*	2030*	RAPPEL SRCAE	2050*
Electricité	Hydroélectricité	3 073	3 756	3 908	3 929	3 956	3 370	4 100
	Eolien terrestre	45	321	382	474	597	1 245	1 305
	Eolien flottant	0	236	289	594	1 000	600	2 000
	PV - Particuliers (<3kW)	65	334	394	448	520	4 450	2 934
	PV - Parcs au sol	531	6 578	2 684	2 755	2 850		12 778
	PV - Grandes toitures (>3kW) & ombrières			5 238	6 576	8 360		31 140
	Grandes Centrales Biomasse	0	141	172	172	172	-	172
Thermique	Récupération de chaleur	1 199	2 749	3 094	3 611	4 300	2 985	6 546
	Solaire thermique collectif	20	509	618	781	998	-	2 065
	Bois énergie collectif	80	177	198	242	300	-	544
	Méthanisation	14	71	84	162	267	550	570
	Gazéification	0	55	67	153	267		586
	Biomasse Agricole (hors méthanisation)	0	175	214	272	350	330	739
TOTAL GENERAL		5027	15 103	17 342	20 168	23 937	-	65 479
TOTAL Electrique		3 714	11 366	13 067	14 948	17 455	9 665	54 429
TOTAL Thermique		1 313	3 736	4 275	5 221	6 482	3 865	11 050

The regional Solar plan and its support schemes

- A support scheme for **grid-connected photovoltaic installations** with a capacity of less than 100 kWp :
 - 30% of the total amount of the project
 - from €200 to €300 per kWp
- The smart PV scheme supports projects for **self-consumption** of photovoltaic energy:
 - Individual self-consumption : 20% to 25% of the project (max €100 000)
 - Collaborative self-consumption : 25% to 30% of the project (max €120 000)
- Feasibility studies :
 - For new grid-connected PV installations : 50 to 70% of the study (max €50 000)
 - For complex self-consumption projects : 50 to 70% of the study (max €50 000)

[https://oreca.maregionsud.fr/fileadmin/Documents/Appels_a_projets/2020 -
Plan Solaire Regional.pdf](https://oreca.maregionsud.fr/fileadmin/Documents/Appels_a_projets/2020_-_Plan_Solaire_Regional.pdf)

Business development focus



risingSUD

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Renewable Energies and Solar PV

National key figures

Market

x 2.4 for **renewables**

27 billion euros / year

Turnover : + 14% for **solar PV**

4.1 billion euros / year



Employment

+ 50 % (±) in **renewables**

90 120 jobs

+ 35 % in **solar PV**

6 210 jobs

Most of them cannot be relocated and are sustainable

An estimation of over **10 %** of these figures may be allocated to région Sud, due to its configuration and geographical position

(sourcing : Ademe, national agency for ecology transition, update August, 25th 2020)



Regional schemes to enhance economic environment



Examples

- **The regional Economic Recovery Plan** : 1 billion euros dedicated
- **The Operations of Interest to the Region (OIR)**

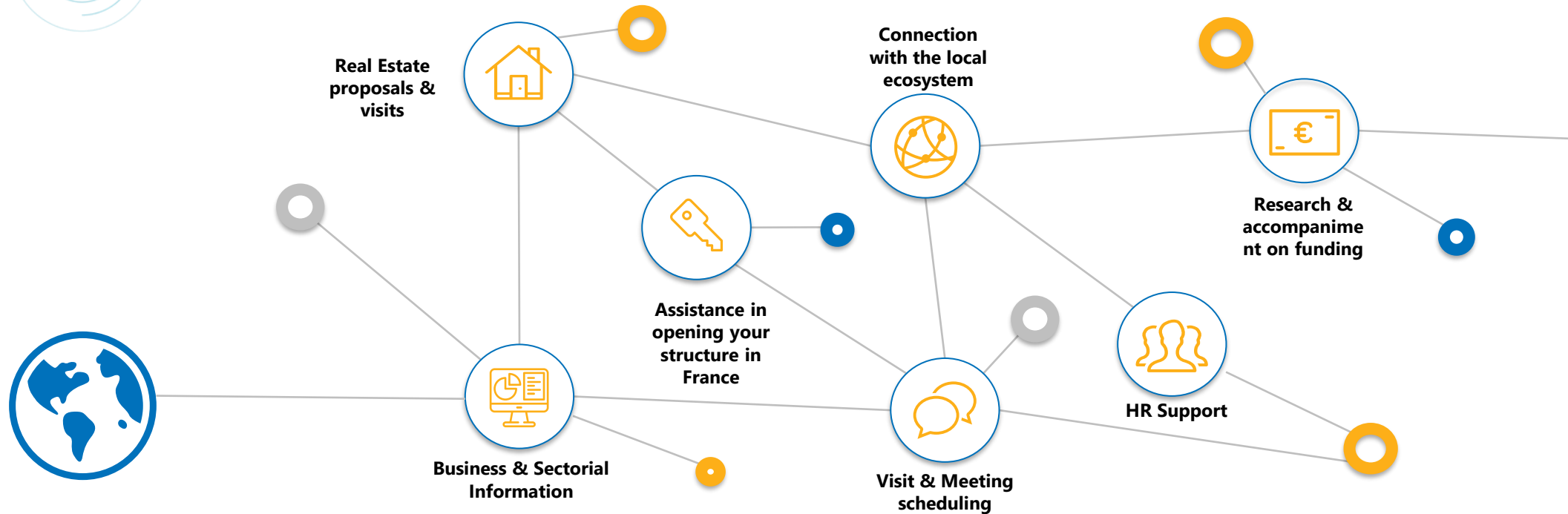
8 strategic sectors, among them renewables, solar PV

Objective : support local economic actors (territories and companies) in main issues : projects investment, ecosystem animation and matchmaking, innovation, cooperation, attractiveness

- **Investment fund for regional companies (FIER)**

Objective : a panel of public financing tools (guarantee, subsidies, loans) to support every step of the company's development

A turnkey service, a local expertise, to attract foreign investment



risingSUD

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Economic Development Agency

We are at your service !

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FREE ASSISTANCE DURING ALL THE STEPS OF SET UP AND DEVELOPMENT IN REGION SUD

