

SOLEILの周辺環境

Paris-Saclay地域の動向

平成29年4月11日

自然科学研究機構・分子科学研究所

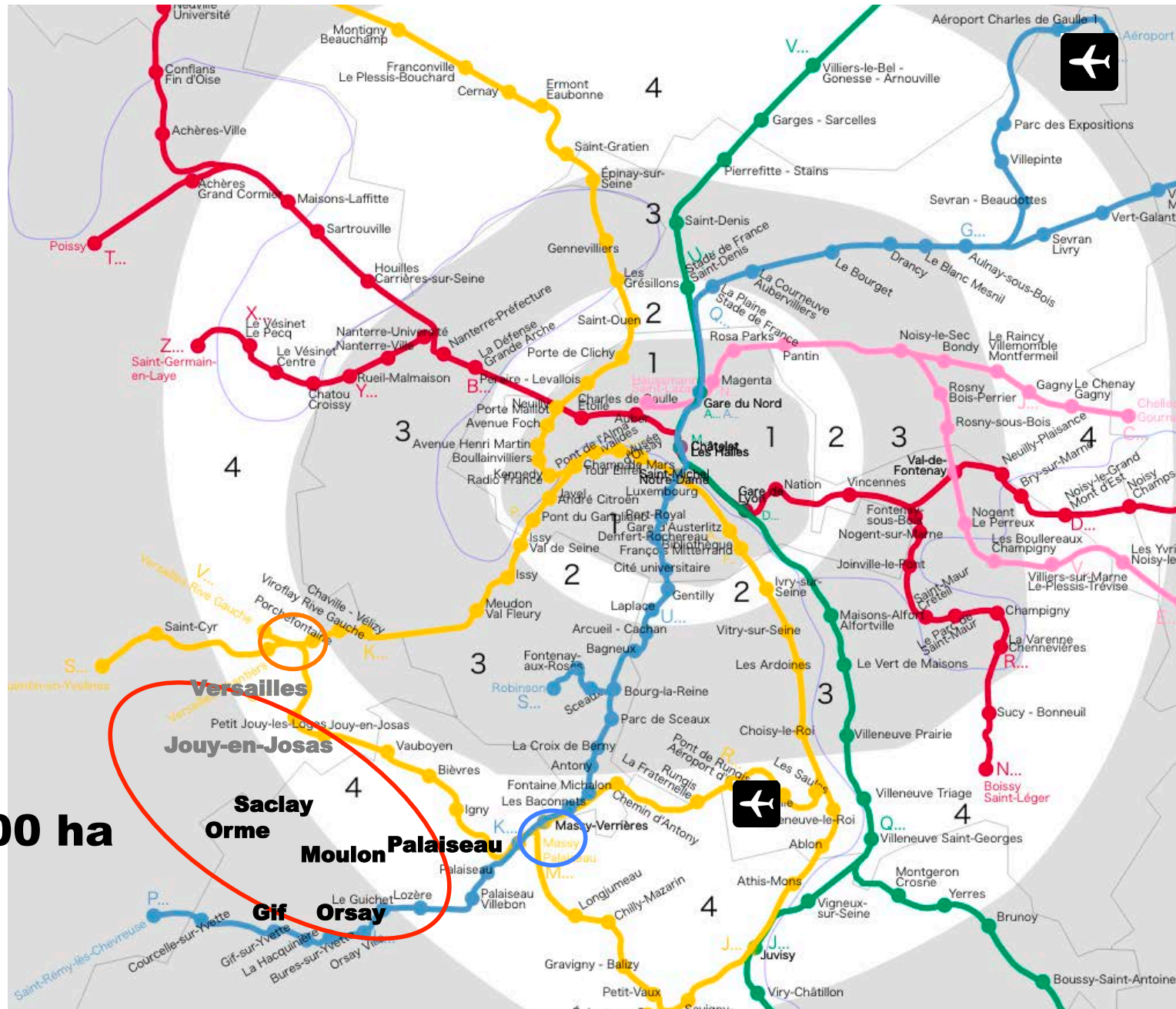
極端紫外光研究施設 (UVSOR Synchrotron)

小杉信博

Paris-Saclay 計画 サルコジ政権(2007-2011) 時代の目玉のひとつ

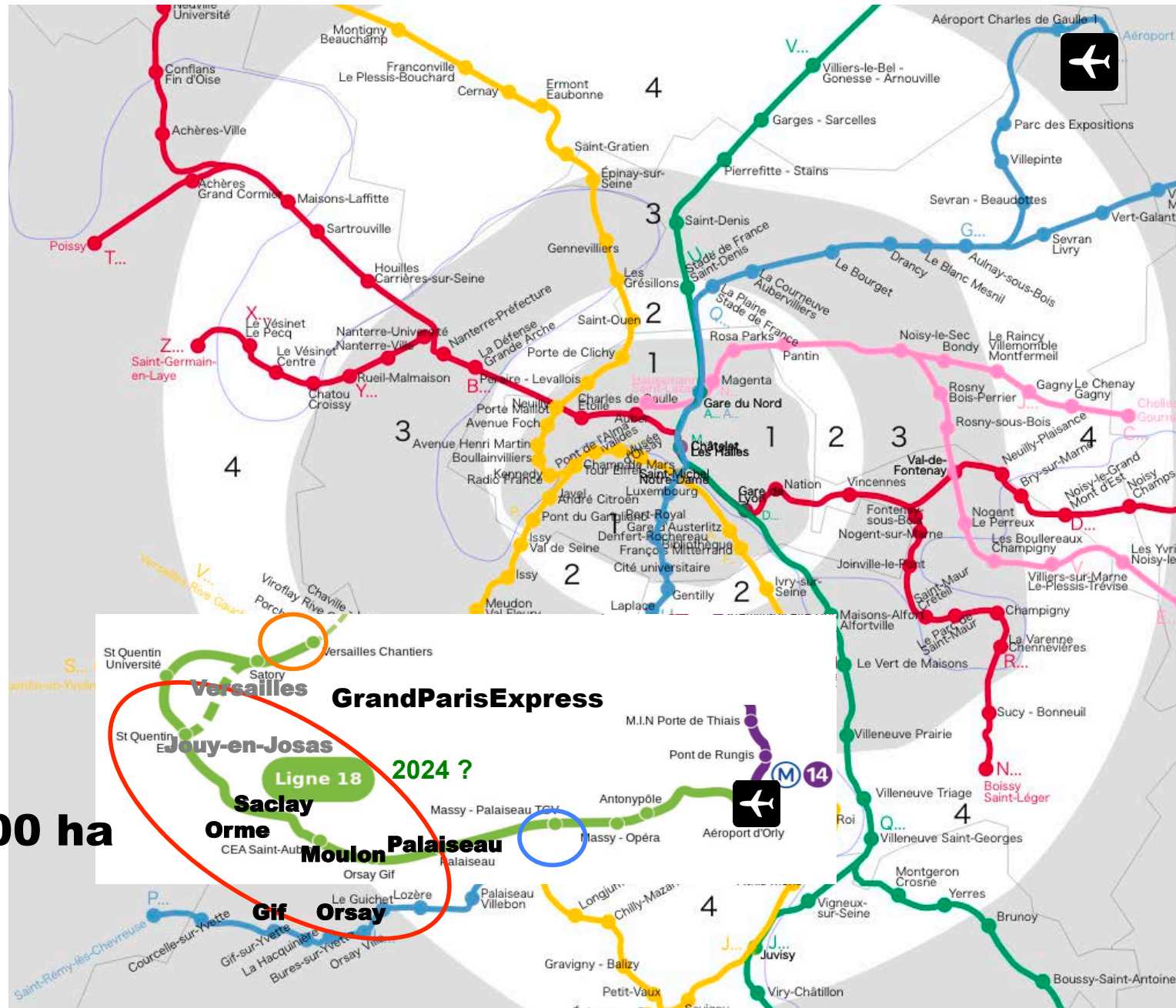
1

7700 ha



Paris-Saclay 計画 サルコジ政権(2007-2011) 時代の目玉のひとつ

1



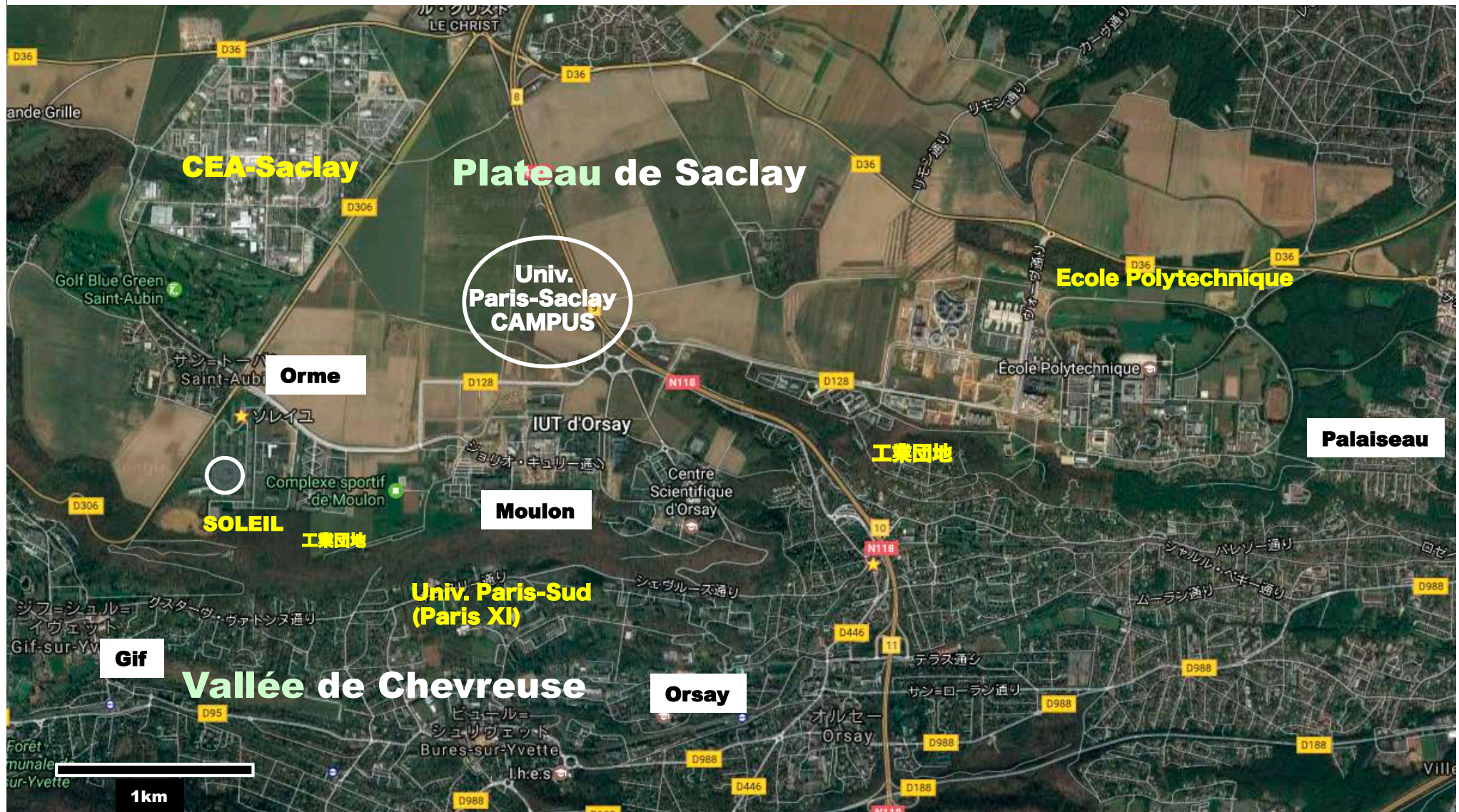
Paris-Saclay 計画の第1～2期開発地域(～2020)

2

大連携構想: CEA + CNRS + グランゼコール + 大学 + 民間

SOLEIL 2006, ParisTech 2007, Univ. Paris-Saclay 2014

cf. パリ中心部: PSL Research Univ.(2015) と Univ. Paris-Sorbonne (2018) に集約



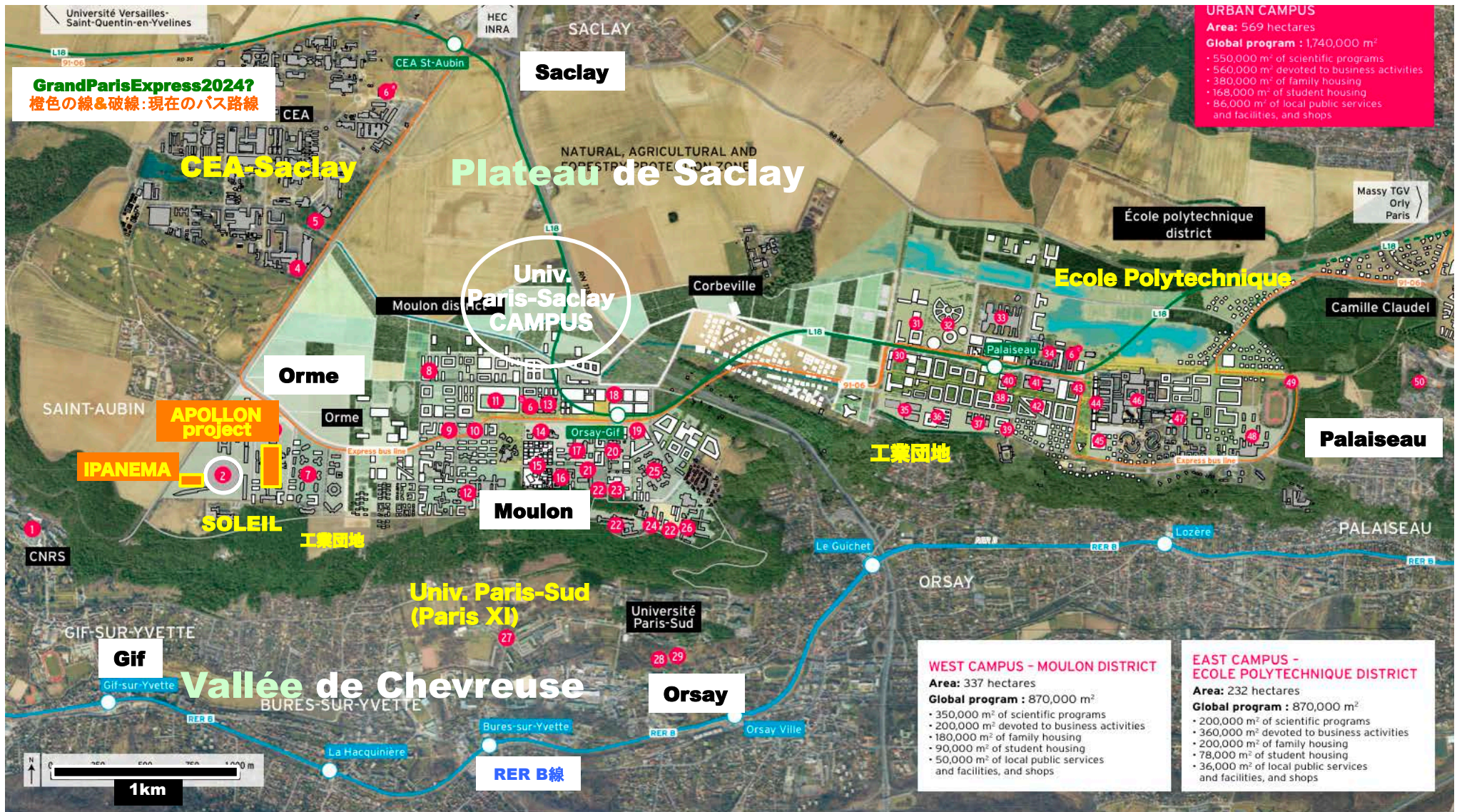
Paris-Saclay 計画の第1～2期開発地域(～2020)

3

Paris-Saclay urban campus

1,700,000 m² devoted to academic, industrial and urban projects

174 ha



西地区Moulon等

東地区Palaiseau

西地区Moulon等

東地区Palaiseau⁴

教育研究
民間business
その他

35ha

20ha

32ha

174 ha

20ha

36ha

31ha

- 1 Institute of Integrative Cell Biology - CNRS
- 2 Synchrotron Soleil
- 3 Institute for Climate and the Environment - CEA
- 4 Doséo - CEA
- 5 Neurosciences research cluster - CEA
- 6 Digitéolabs
- 7 Industrial estate - Parc technologique & les Algorithmes
- 8 Institute for Ecological Diversity and Evolution of the Living - UPSud
- 9 900 student housing
- 10 Housing, shops, services
- 11 ENS Cachan
- 12 Supélec
- 13 Shared Informatics Research Center

- 30 AgroParisTech INRA
- 31 EDF LAB Campus
- 32 EDF LAB R&D
- 33 Danone, Sofradir
- 34 Thales R&D
- 35 Nano - INNOV System X
- 36 Nanoscience and nanotechnology center - CNRS
- 37 Horiba
- 38 Institut Mines-Télécom
- 39 Ile-de-France photovoltaic institute
- 40 Business incubator

- 14 Institute for Plants Biology
- 15 Ecole Centrale Paris
- 16 Electricity Engineering Laboratories
- 17 University Institute of Technology
- 18 Learning Center
- 19 Pharmacy-biology-chemistry cluster - UPSud
- 20 University Informatics Cluster - UPSud
- 21 Lieu de Vie
- 22 Physics, matter & radiation center - UPSud
- 23 300 student housing
- 24 Quaero - CNRS
- 25 Industrial estate - Parc Orsay université
- 26 Orsay institute of molecular science
- 27 Students shared facilities
- 28 Conservatory
- 29 Institute of mathematics

- 41 Institut d'Optique graduate school
- 42 330 students and apprentice housing / restaurants / shops
- 43 Shared teaching building
- 44 Polytechnique laboratories (extension)
- 45 ENSAE ParisTech
- 46 Ecole polytechnique
- 47 Sport facilities, multipurpose sport complex
- 48 ENSTA ParisTech
- 49 Radar

PUBLIC TRANSPORTS

-  Grand Paris Express Line 18
-  Express 91-06
-  Dedicated bus corridor
-  Express regional network - Line B

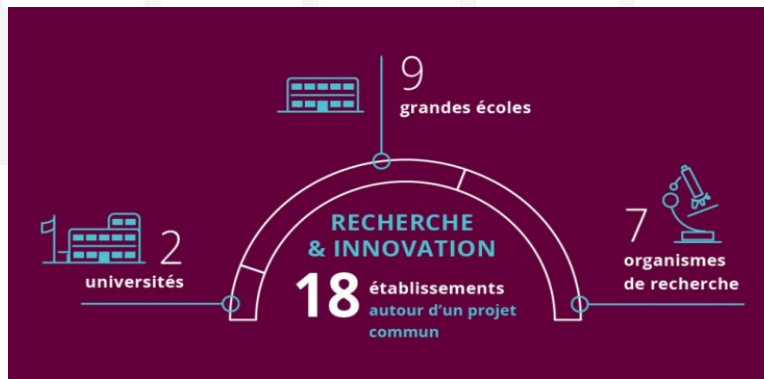
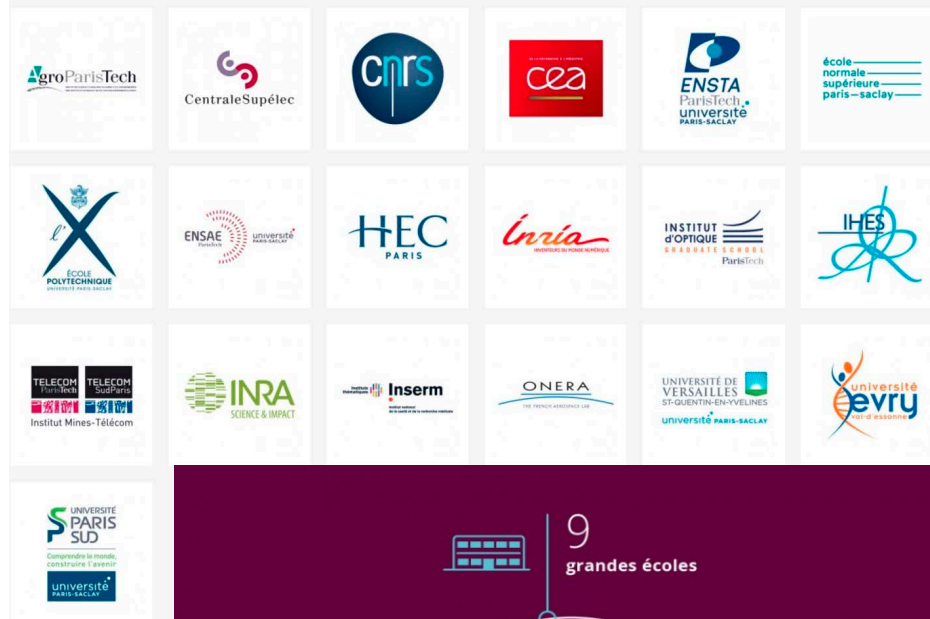
民間80社以上(精密機器、自動車、電子情報、光学、素材、食品...) 日本から、堀場、京セラ、カシオ、日立メディカル...

University Paris-Saclay 2015~

An increasing academical potential

	2014 12/29	2015	2016	2017	2018	2019
• ENSTA ParisTech • Nano-INNOV • Digitéo • System X Institute for Technological Research in Digital Engineering	Creation of the Paris-Saclay University	• INRIA Alan Turing laboratories • Ecole Polytechnique laboratories • PS2E Paris-Saclay Energy Efficiency • Lieu de Vie	• ISMO Orsay institute of molecular sciences • QUAERO • ENSAE • IPVF Ile-de-France Photovoltaic Institute	• Ecole Centrale Paris • C2N Nanoscience and nanotechnology center • IPHE Business Incubator • Neuroscience research cluster • ICE institute for Climate and the Environment	• Université Paris-Sud Physics, matter and radiation center • ENS Cachan • Institut Mines-Télécom	• Agro ParisTech/ INRA • Université Paris-Sud Pharmacy-biology-chemistry cluster • IDEEV Institute for Ecological Diversity and Evolution of the Living

The University Paris-Saclay Members



Partners

Investissements d'avenir (CGI)

Investir aujourd'hui pour la croissance de demain

[Read more](#)



IRT SystemX

SystemX was officially created on February 1st, 2012 as part of the "Investment for the Future" program put in place to support innovation in France

[Read more](#)



Pôle Systematic

Le Pôle est à la fois une « usine à innovations technologiques » par le biais des projets de R&D et un cluster d'innovation ancré sur le terrain

[Read more](#)



Synchrotron Soleil

A la fois laboratoire de recherche et outil scientifique de très haut niveau, SOL

[Read more](#)

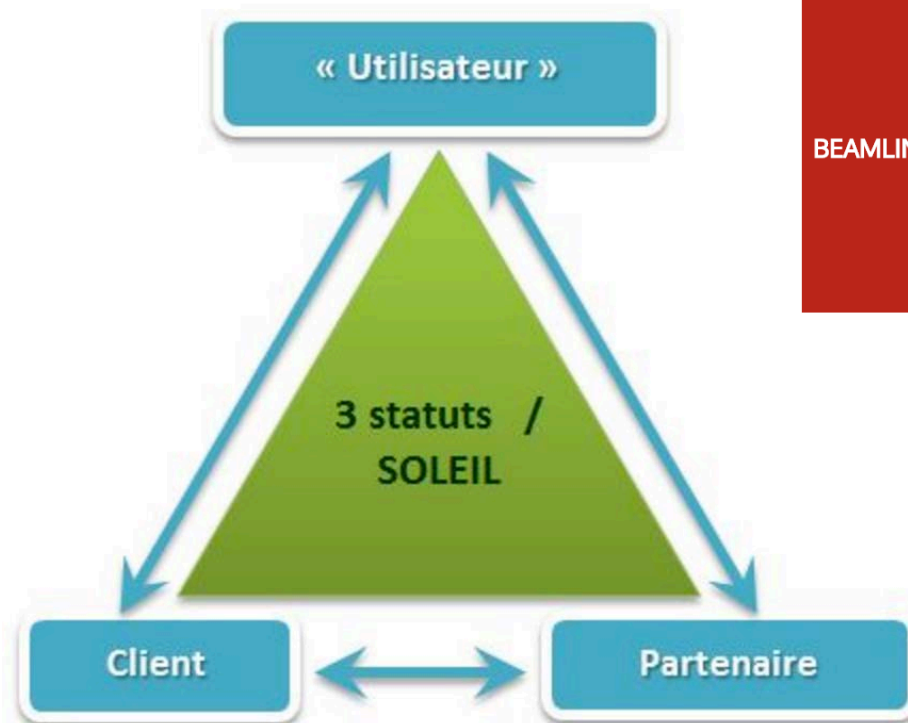


Paris-Saclay SATT (技術移転会社)が大学と直結している

SOLEIL Synchrotron for Industry

分析が中心: 医学、化学、環境、材料、創薬、化粧品

他、LIGAやMetrologyにも対応



One company = three possible statuses dependent on the project

ENERGY RANGE	INFRARED	VUV / UV / VISIBLE	SOFT X-RAYS < 1,5 keV	TENDER X-RAYS 1 Å 10 keV	HARD X-RAYS > 8 keV
BEAMLINES	AILES, SMIS	ANTARES, CASSIOPEE, DEIMOS, DESIRS, DISCO, METROLOGIE, PLÉIADES	ANTARES, CASSIOPEE, DEIMOS, HERMES, METROLOGIE, SEXTANTS, PLÉIADES, TEMPO	DEIMOS, DIFFABS, GALAXIES, HERMES, LUCIA, MÉTROLOGIE, ODE, ROCK, SAMBA, SIRIUS, SIXS	CRISTAL, DIFFABS, GALAXIES, PSICHÉ, MARS, METROLOGIE, NANOSCOPIUM, ODE, PROXIMA-1, PROXIMA-2A, ROCK, SAMBA, SIRIUS, SIXS, SWING



Paris-Saclay SATT (技術移転会社)と提携

NovAliX社 (創薬関係民間会社) のラボLBS³ を側室のひとつに設置

IPANEMA (Ancient Materials Research Platform文化遺産CNRS)の専有建物+BL (PUMA BL)