

3rd Biomass for Swiss Energy Future Conference

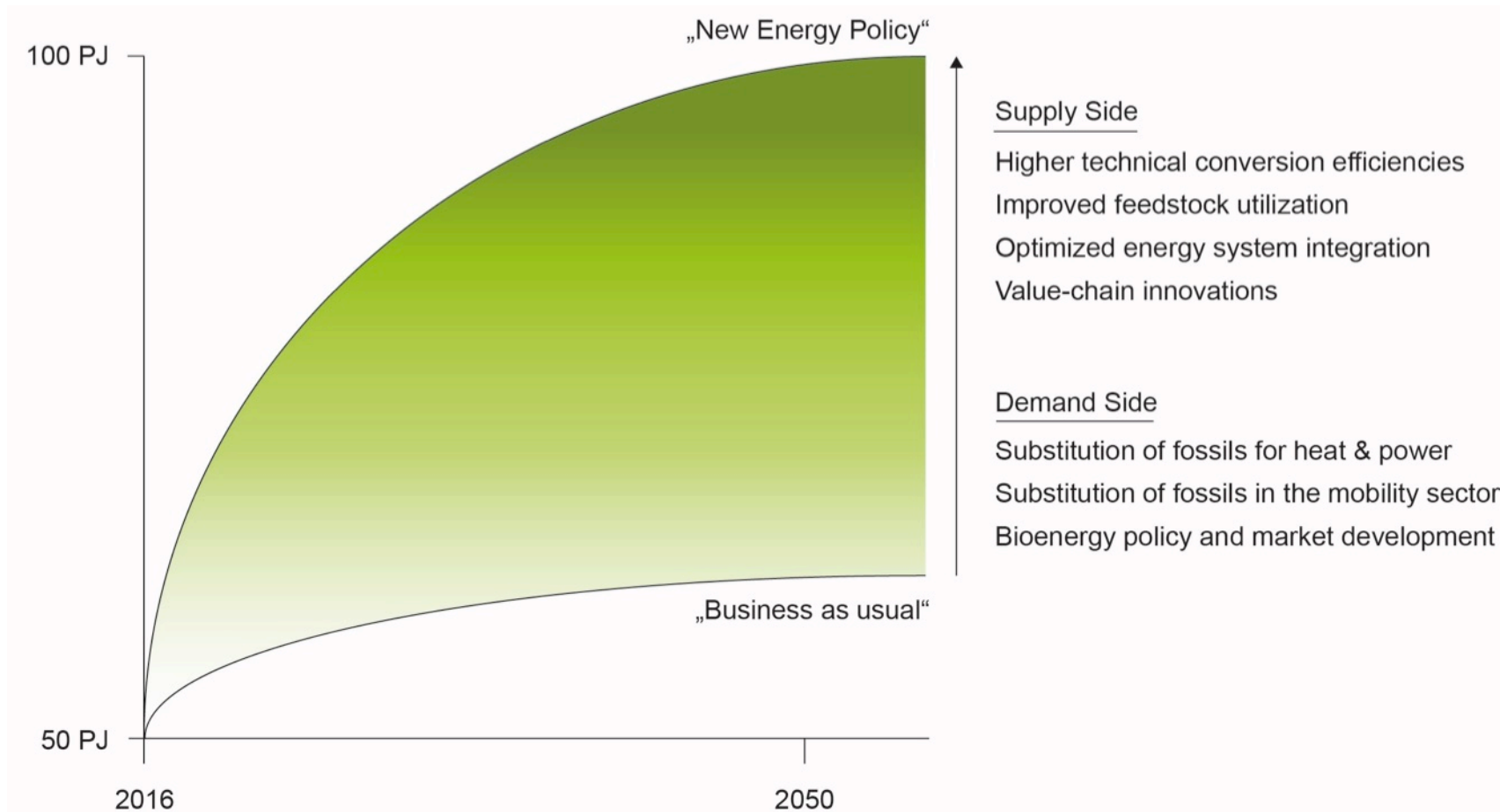
Organized by the SCCER BIOSWEET

Oliver Kröcher

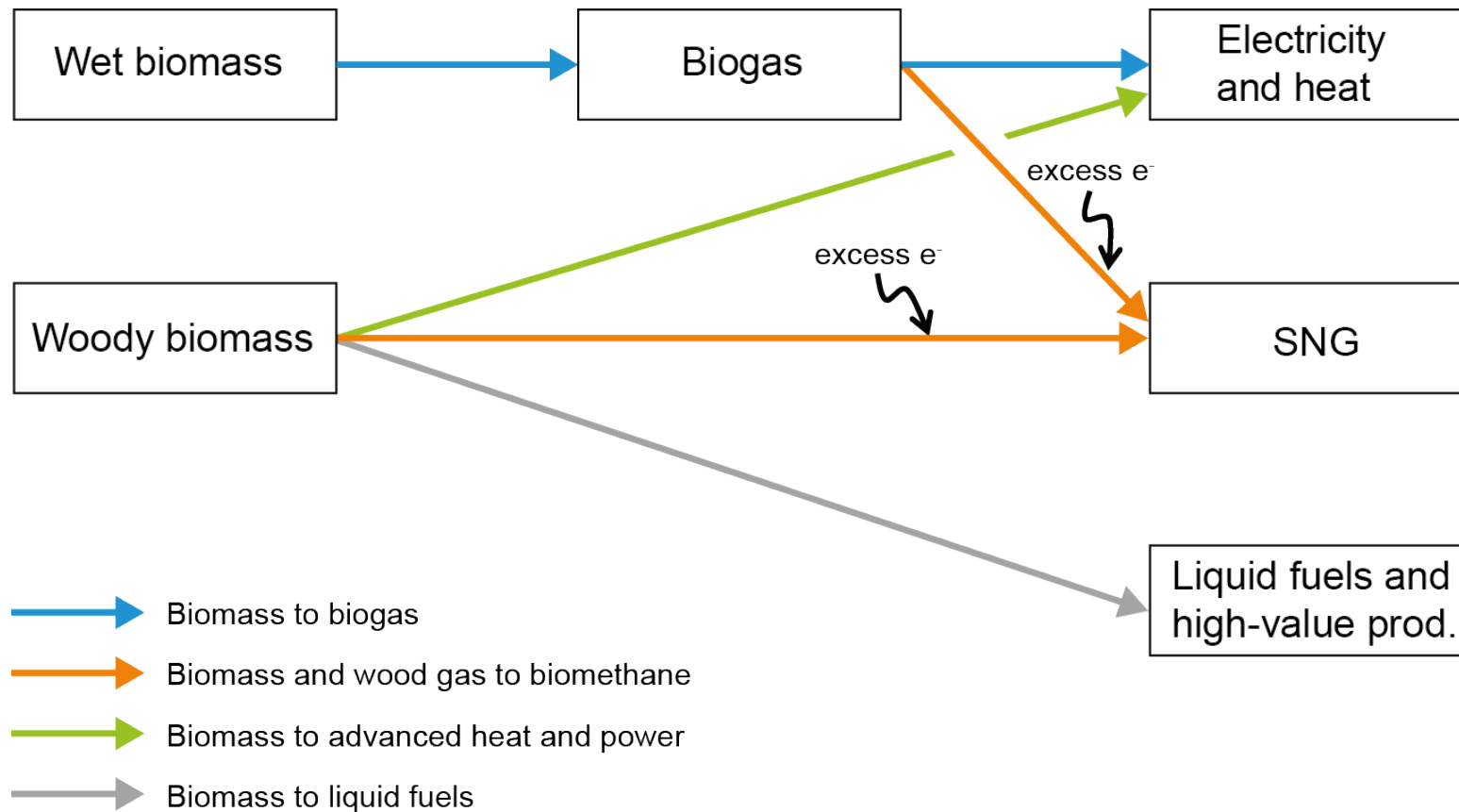
Paul Scherrer Institute, 5232 Villigen, Switzerland



100 Petajoule Bioenergy Vision

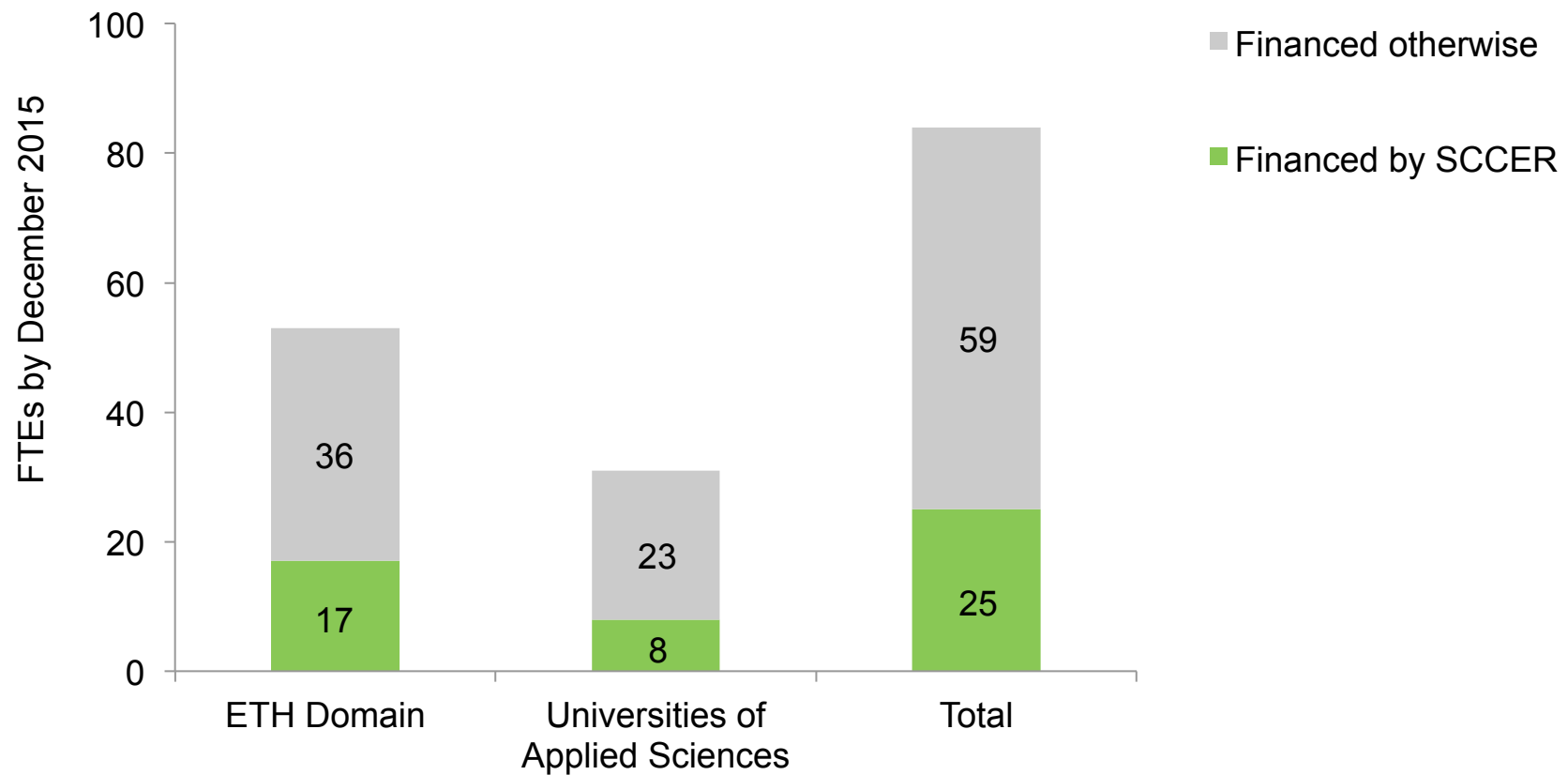


Scope



SCCER BIOSWEET grows up

Research Capacity (Dec. 2015)



SCCER BIOSWEET grows up From childhood to adulthood

Wood torrefaction pilot plant in Orbe

PI: Prof. Jean-Bernard Michel, HES-SO / HEIG-VD.

Inauguration on the 9th May 2016 in attendance of State Councilors Jacqueline de Quattro and Anne-Catherine Lyon.



Methane-from-wood: Ganymeth

PI: Dr. Serge Biollaz, PSI.

Start of installation in Sep 2016.



Program

09.30 Registration and Coffee

10.00 Welcome address
O. Kröcher, PSI/EPFL

Paving the ground for bioenergy in Switzerland: Synthesis 2014-2016

10.15 Biogas and Anaerobic Digestion – Visions beyond State of the Art
U. Baier, ZHAW

Towards diesel and jet-fuel production from lignocellulosic biomass through biological and chemical processing

M. Studer, BFH

Pilot-scale demonstration of the hydrothermal gasification of wet biomass

F. Vogel, PSI/FHNW

Poster session

11.45 Introduction to posters

12.15 Lunch

Innovations in biomass combustion

13.30 Biomass combustion: Challenges and contribution to the future energy supply
T. Nussbaumer, HSLU

Potential of decentralized biomass-CHP plants to stabilize the Swiss electricity network with increased fluctuating renewable generation

G. Georges, ETHZ

14.30 Coffee break

Challenges in bringing bioenergy technologies to the market

15.00 Power-to-Gas with biological methanation – field report of the first industrial plant in practical use

T. Heller, MicrobEnergy

CTI Start-up & Entrepreneurship Training

P. Hassler, CTI Entrepreneurship

16.30 End of conference