Global Agenda























15 LIFE ON LAND

















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Synecoculture 協生農法















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Ph.D in EcolePolytechnique Physicis, Biology, Mathematical Sciences, Veterinarian



70% of food production 80% of farming area

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Synecoculture in Burkina Faso

Challenge in Sub-Saharan Africa (from 2015~) 150 species in 500 m farming area





1st in Africa. Syneco culture Symposium in 2016.

20hrs/week @ 500m2 --> 1000 Euro/Month

x20 of Burkina Faso GNI per capita

x50 of absolute monetary poverty threshold

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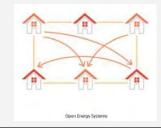
Open Energy System



DC-energy distribution control technology

⇒ Energy Sharing Platform





Without relying on electric power company, each user can accommodate the energy with neighbors.





Sustainable Energy Platform

Off-Grid / Weak Grid: Stable Power Supply

On Grid: Renewable Energy Supply



Ghana Soccer Public Viewing



Ghana Off-Grid System



Okinawa
DCOFS Platform



KEIO SFC DCOES & DC-House

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Microgrid in Okinawa

■ Physical Peer to Peer Energy Exchange

OIST and Sony CSL has built the following system:





One of the largest DC micro grids in the world with 19 faculties' houses

Operation & Maintenance activities for more than 5 years since 2014

シェラレオネ・プロジェクト: OES Project for Ebola Vaccine Development

(w/ Univ. of Wisconsin & Tokyo : Prof. Kawaoka)

シェラレオネにおいて、Ebola サバイバーの血液 サンプルを採取するために、超遠心分離器を安定 稼働させる電力が必要。

OESを展開し活動をサポートする。

河岡先生、西浦先生とSony CSL Team



西浦先生

河岡先生 Sony CSL Team



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