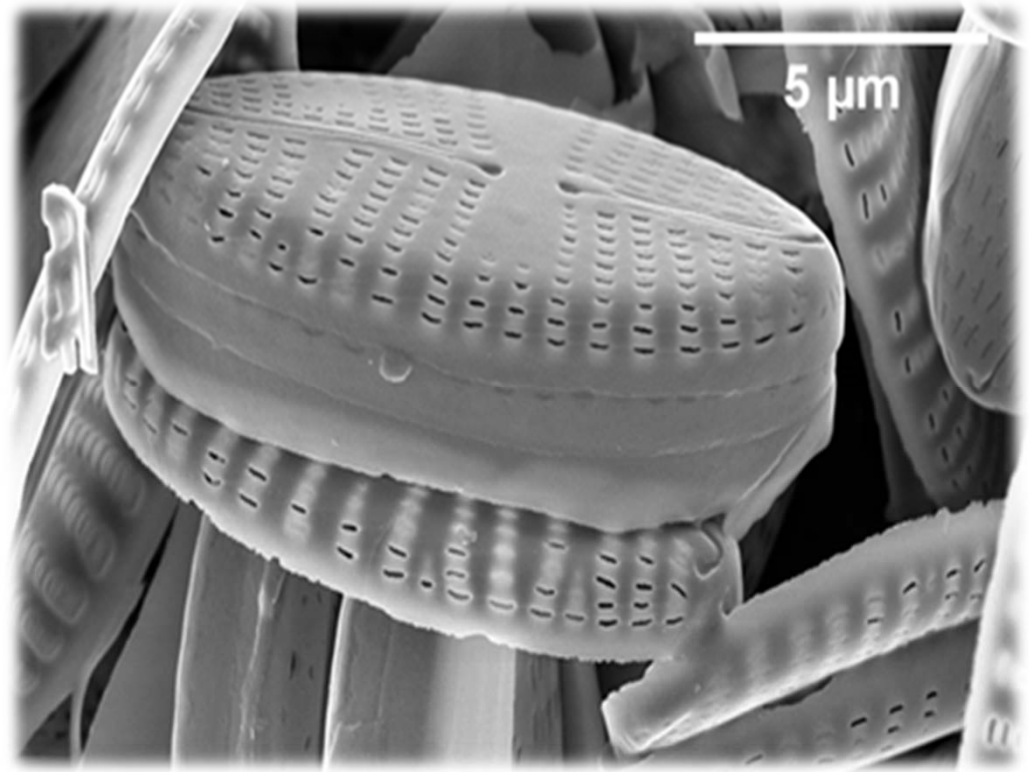
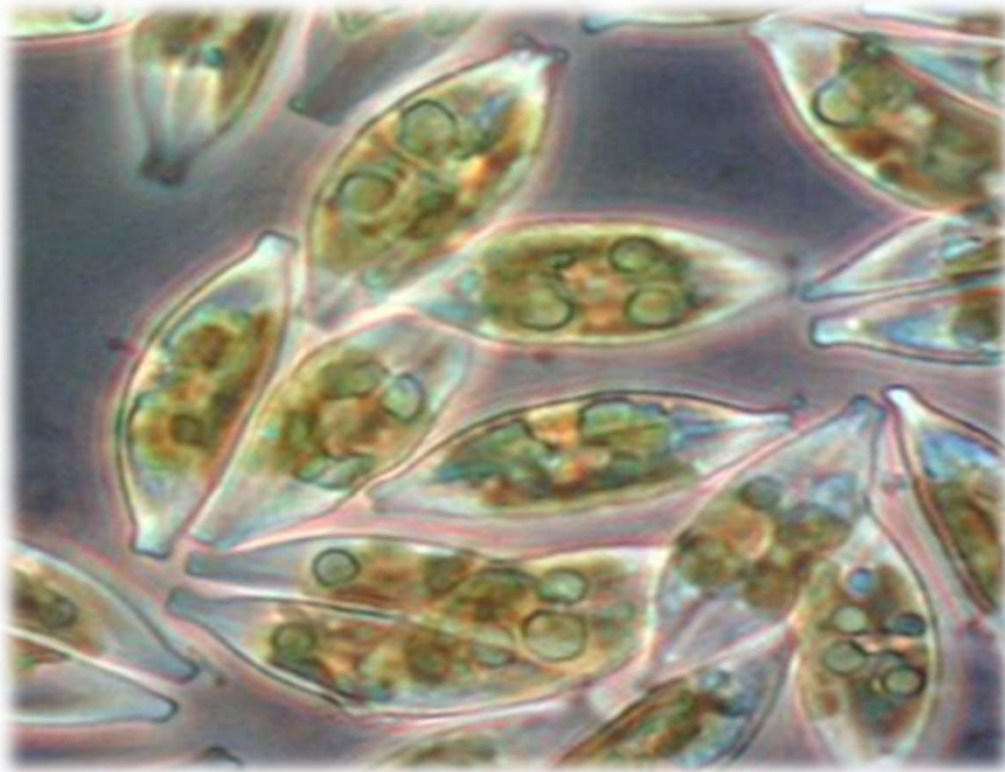


SWEDISH
ALGAE
FACTORY

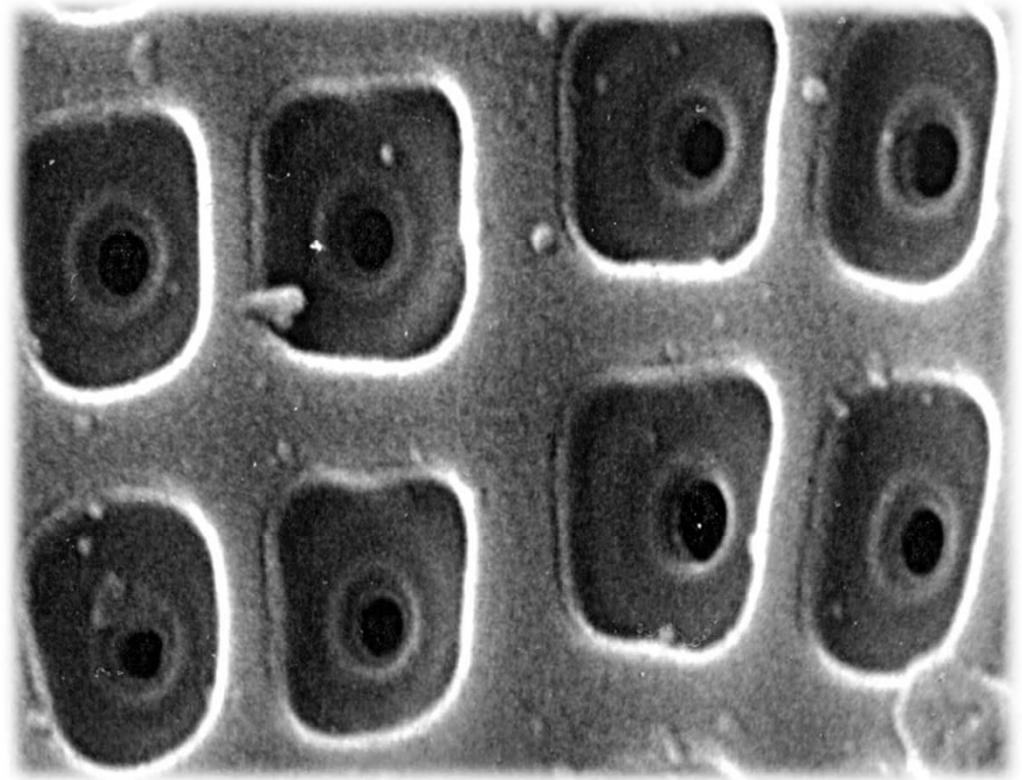
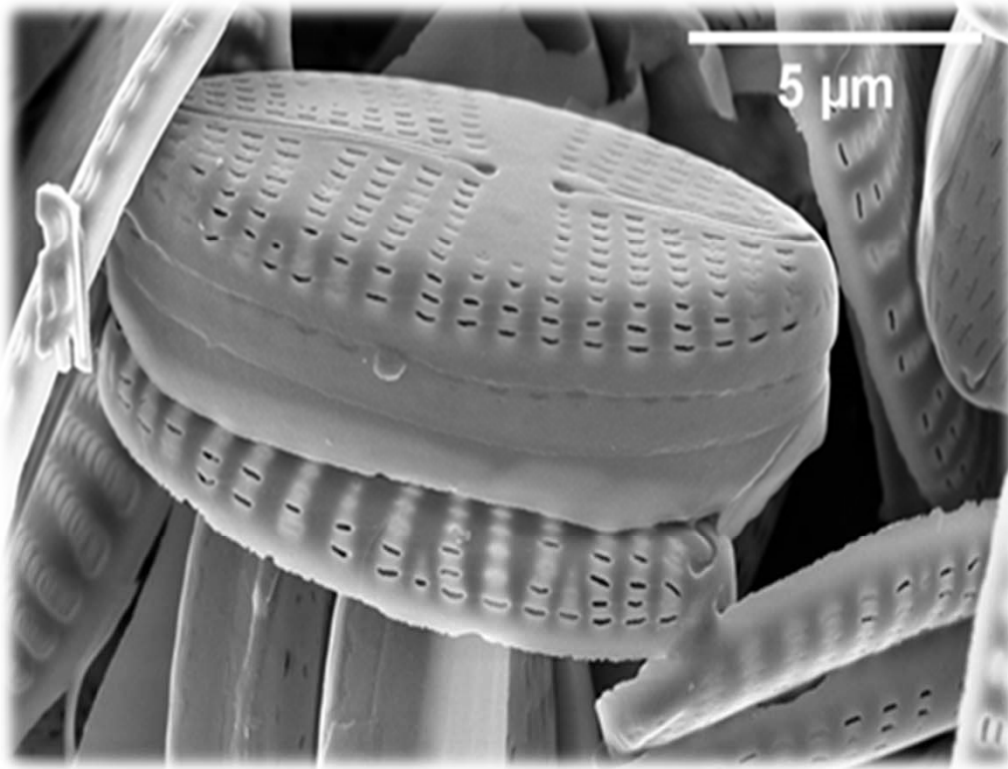


Advanced Materials from Algae

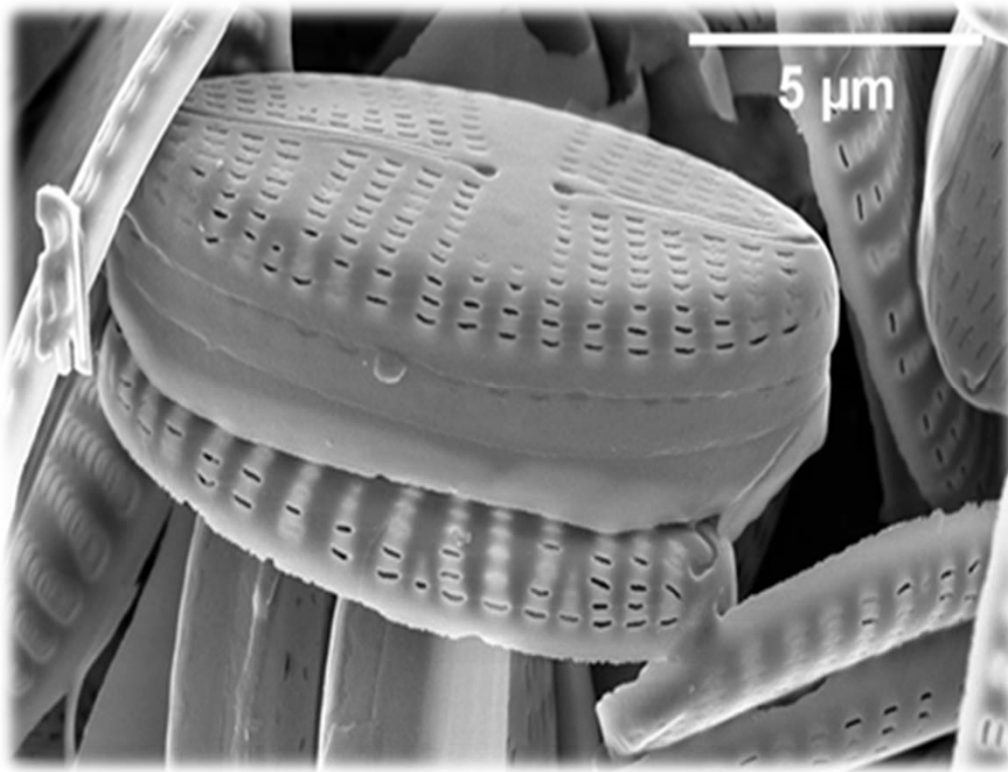
THE USE OF DIATOMS



NANOPOROUS STRUCTURE OF DIATOM SHELLS



THE SHELL ENABLES SURVIVAL



- Traps visible light efficiently
- Blocks harmful UV light, partly by manipulating UV light to visible light
- Absorbs and releases nutrients and water efficiently



SELLING TO SKIN CARE + PARTNERSHIPS IN SOLAR

Skin care and cosmetics



Natural and efficient:

- Moisturizer
- Absorbent
- UV filter



Sales started in autumn 2018. Customers:

L: A BRUKET
EKOLOGISKA KURBADSPRODUKTER &
BOTANISKA HJUTVINGSMEDEL

TRUE
ORGANIC
— OF —
SWEDEN

L'ORÉAL
PARIS

+ 20 with ongoing tests + more in pipe

Solar energy



Enhances efficiency with at least:

- 4 % for silicon based solar panels
- 38 % for DSSC (Dye sensitized solar cells)

3 testing partnerships, each needing **200 kg -10 tons/year**. In discussions with 6 more actors.

QUANTOII

Research with among others:

CHALMERS
UNIVERSITY OF TECHNOLOGY



Future applications



Long-term opportunities in e.g.

- Lithium ion batteries, 40 % increased capacity of anode
- Biosensors
- UV filter in e.g. plastic films

Commercialization and collaboration with:

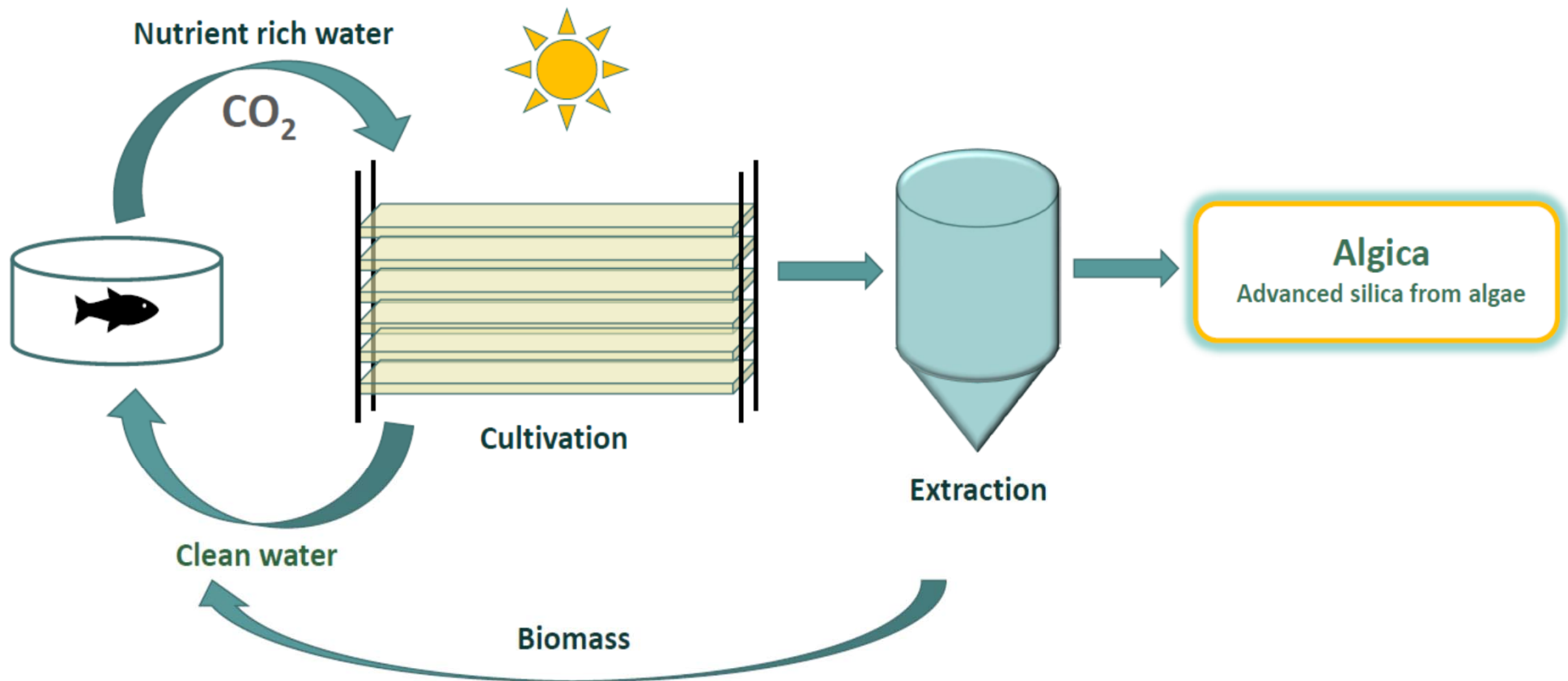


NTNU
Norwegian University of
Science and Technology

Paper published in

nature
SCIENTIFIC
REPORTS

CIRCULAR = SUSTAINABLE & PROFITABLE



STATEMENT 1

Biorefinery business models are needed, where the biomass is utilized for not only one commodity application, in order to be able to compete with today's unsustainable/fossil products



STATEMENT 2

There is a lack of investments to sustainable solutions and innovations



STATEMENT 3

Political instruments is needed to be able to drive us towards a bioeconomy

GREAT TEAM WITH 100+ YEARS' EXPERIENCE IN ALGAE RESEARCH, CHEMISTRY & ENGINEERING

Gustav

Sofie

Angela

Harriet

Micke

Justin

CEO & Founder: Sofie

Award-winning entrepreneur and biotechnology engineer with an MSc in business development from Chalmers.

RnD & Founder: Angela

Award-winning and Nature-published professor at Gothenburg University. 29 years research in algae, climate and UV

Biz Dev: Harriet & Caroline

Harriet's been 30 years in the chemical industry in sales and product management. Caroline is a tech entrepreneur, Forbes 30u30. Cambridge Uni

Tech: Gustav Micke Justin & Sanna

Algae veterans with large scale algae cultivation background, researchers with experience in algae, biology and process engineering. Published Nature paper with Angela.