



## The Norwegian Node of METROFOOD-RI

To enhance quality and reliability of measurement results

To make available and share data, information and metrological tools

To enhance scientific excellence in the field of food quality & safety

To strengthen scientific knowledge, promoting scientific cooperation and integration

## Physical-RI

### Metro

Plants and Labs for RM development

Analytical Labs.

### Food

Experimental fields/farms

Facilities for food processing and storage

## e-RI

Software development

Data collection

Data analysis

Management of Interlaboratory tests

Diffusion and Training

NTNU has facilities for food processing (smoking, sous vide treatment, pasteurization etc.), and for drying, cooling, freezing and thawing and well equipped chemical and biochemical labs. (including MS, NMR). NTNU has a licence to produce farmed salmon equipped for measuring water quality and fish behaviour.



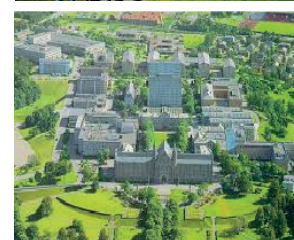
## PARTNERS

### Norwegian University of Science and Technology (NTNU)

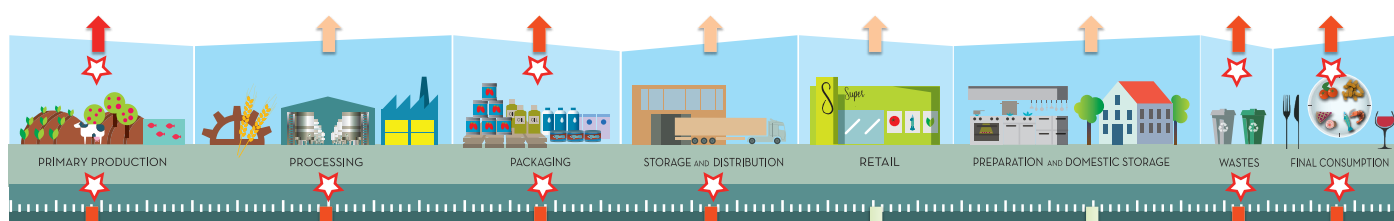
**NTNU**  
Norwegian University of Science and Technology

NTNU is Norway's primary centre for technological research and education. NTNU has campuses in three cities – Trondheim, Ålesund and Gjøvik. NTNU have 9 faculties and 55 departments. There are 42000 students with around 35400 in Trondheim, 4000 in Gjøvik and 2600 in Ålesund, the number of international students are 3600. In 2018 397 doctoral degrees were awarded. The number of employees is around 7900, where half are in teaching, research and outreach positions. NTNU has close cooperation with industry and international R&D actors and is closely linked with the Norwegian research organization SINTEF. The annual budget of NTNU is 960 million Euro of which 28% is externally funded. NTNU participates actively in the EU R&D Framework programmes and is currently involved in 38 projects in H2020. Marine and maritime research is one of NTNU's 4 strategic research areas with a strategy to produce, manage and communicate knowledge by stimulating cooperation between natural sciences, engineering and social sciences.

[www.ntnu.edu](http://www.ntnu.edu)



### Food Chain Data



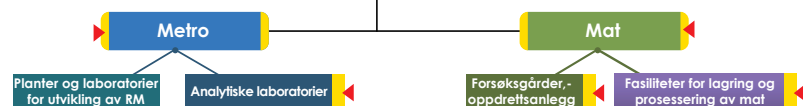
### Food Quality & Safety Data



## The Norwegian Node of METROFOOD-RI



### Fysiske-RI



### e-RI



NTNU har fasiliteter for prosessering av n ringsmidler (r king, sous vide, pasteurisering etc.) og for t rking, kj ling, frysing og tining samt velutstyrte kjemiske og biokjemiske laboratorier (inkl MS, NMR etc). NTNU har en oppdrettslisens for laks som er utstyrt for   m le vannkvalitet og fiskens oppf rsel.



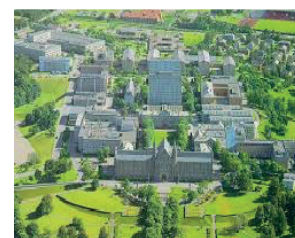
## PARTNERE

### Norges teknisk naturvitenskapelige universitet (NTNU)

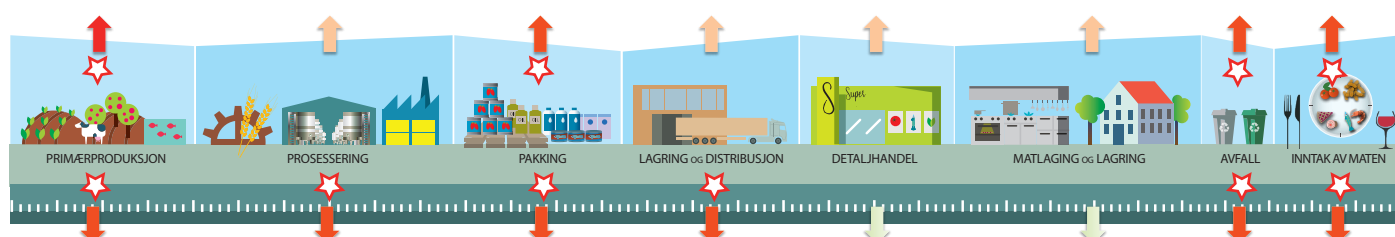
**NTNU**  
Norwegian University of Science and Technology

NTNU er Norges prim re senter for teknologisk forskning og utdanning. NTNU har virksomhet i tre byer - Trondheim,  lesund og G vik. NTNU består av 9 fakulteter og 55 institutter. Totalt antall studenter er 42000 med ca 35400 i Trondheim, 4000 i G vik og 2600 i  lesund og det er 3600 internasjonale studenter. In 2018 ble det tildelt 397 doktorgrader. Antall ansatte er ca 7900 med omtrent halvparten er innen undervisning, forskning og formidling. NTNU har et n rt samarbeid med industri og internasjonale forskningsakt rer og er n rt knyttet til den norske forskningsorganisasjonen SINTEF. NTNU har  rlig budsjett p  9,6 milliarder NOK der ca 28% er eksternt finansiert. NTNU deltar aktivt i EUs forskningsprogrammer og er i dag involvert i 38 H202 prosjekter. Marin og maritime forskning er et av NTNUs fire strategiske forskningsomr der der strategien er   frembringe, administrere og kommunisere kunnskap ved   stimulere samarbeid mellom naturvitenskap, ingeni rvitenskap og samfunnsvitenskap.

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### N ringsmiddelkjededata



Data p  matkvalitet og - sikkerhet