

Last login: Mon Aug 24 13:42:16 on ttys000

modah@nantes2026 ~ % man modah

MODAH(2026) User Commands MODAH(2026)

NAME
 ModAH – Modelling in Animal Health
SYNOPSIS
 modah [COMMAND] [OPTIONS]...
DESCRIPTION
 Bring together researchers interested in the development
 and use of mathematical and computational models in
 animal health.
OPTIONS
 --coffee increase connectivity
 --collaborate strongly recommended
SEE ALSO
 emulsion(1), epidemiology(1), networks(1), coffee(∞)

```
modah@nantes2026 ~ % modah init \  
--from 2026-08-24 \  
--to 2026-08-27 \  
--location Nantes \  
--talks 27 \  
--keynotes 2 \  
--posters 33  
Initializing ModAH Conference..... [ OK ]  
Loading configuration..... [ OK ]  
Setting dates: Aug 24-27, 2026..... [ OK ]  
Setting location: Nantes, France..... [ OK ]  
Registering talks: 27..... [ OK ]  
Registering keynotes: 2..... [ OK ]  
Registering posters: 33..... [ OK ]
```

```
-- --  
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```

Conference environment initialized.

```
modah@nantes2026 ~ % tree conference/  
zsh: command not found: tree  
modah@nantes2026 ~ % brew install tree  
==> Installing tree  
🍺 tree installed successfully
```

```
modah@nantes2026 ~ % tree conference/  
conference/  
├── Monday_24  
│   └── emulsion_workshop.yml  
├── Tuesday_25  
│   ├── modah_hub  
│   ├── lunch  
│   ├── opening  
│   ├── keynote_01  
│   ├── spatial_invasion  
│   │   └── session.log  
│   ├── flash_posters  
│   ├── coffee  
│   └── cattle_health  
│       └── session.log  
└── Wednesday_26  
    ├── fun_run  
    ├── wildlife_epidemiology  
    │   └── session.log  
    ├── flash_posters  
    ├── coffee_am  
    └── swine_endemic_diseases
```

```

├── session.log
├── lunch
├── keynote_02
├── networks_and_inference
│   └── session.log
├── coffee_pm
├── avian_influenza
│   └── session.log
├── gala
└── Thursday_27
    ├── vector_borne_diseases
    │   └── session.log
    ├── coffee
    ├── african_swine_fever
    │   └── session.log
    ├── closing
    └── lunch

```

```

modah@nantes2026 ~ % cd conference/Monday_24
Monday · August 24, 2026 - EMULSION workshop

```

```

modah@nantes2026 Monday_24 % ls
emulsion_workshop.yml

```

```

modah@nantes2026 Monday_24 % emulsion run emulsion_workshop.yml
Loading EMULSION..... [ OK ]
Reading emulsion_workshop.yml..... [ OK ]
Checking model structure..... [ OK ]
Initializing participants..... [ OK ]
[WORKSHOP] Emulsion workshop
14:00 _____ 17:00
Write epidemiological models as models, not as code.
model status: READY · simulation: initialized

```

```

modah@nantes2026 Monday_24 % cd ..
modah@nantes2026 conference % cd Tuesday_25

```

Tuesday · August 25, 2026 - ModAH Conference · Day 1

```

modah@nantes2026 Tuesday_25 % ls

```

```

09:00 modah_hub
12:20 lunch
13:45 opening
14:00 keynote_01
14:45 spatial_invasion
15:45 flash_posters
16:05 coffee
17:00 cattle_health

```

```

modah@nantes2026 Tuesday_25 % ./modah_hub --discover
Loading ModAH Hub..... [ OK ]
Connecting participants..... [ OK ]
[SATELLITE EVENT] ModAH Hub satellite event
09:00 _____ 12:20
Discover the ModAH Hub initiative
status: connected

```

```

modah@nantes2026 Tuesday_25 % make lunch
Preparing lunch..... [ OK ]
Serving participants..... [ OK ]
[BREAK] 12:20 _____ 13:45
Lunch break

```

```

modah@nantes2026 Tuesday_25 % ./opening
Starting ModAH Conference 2026..... [ OK ]
[OPENING] 13:45 _____ 14:00

```

```

modah@nantes2026 Tuesday_25 % cat keynote_01
[KEYNOTE #1] 14:00 _____ 14:45
Barbara Han
Multiscale data integration for predictive modeling
of zoonotic disease

```

```
modah@nantes2026 Tuesday_25 % cat spatial_invasion/session.log
[SESSION] Spatial invasion and disease spread in connected
landscapes
```

```
14:45 → 15:05 Samuel Shute
Assessing the impact of epidemiological indicators on aquatic
animal disease dispersal using a coupled hydrodynamic-particle
tracking model
15:05 → 15:25 Claire Guinat
Cryptic invasion and evolutionary dynamics of peste des petits
ruminants virus across Europe
15:25 → 15:45 Jules Trillaud
Mitigating the Impact of OsHV-1 on Pacific Oyster Production
Using a Spatial Compartmental Modelling Approach
```

```
modah@nantes2026 Tuesday_25 % ./flash_posters
Loading presenters..... [ OK ]
Setting runtime..... short
[FLASH POSTER PITCH] 15:45 ————— 16:05
```

```
modah@nantes2026 Tuesday_25 % ping coffee
PING coffee (127.0.0.1)
64 bytes from coffee: time=0.42 ms
64 bytes from coffee: time=0.31 ms
coffee is reachable
[BREAK] 16:05 ————— 17:00
```

```
modah@nantes2026 Tuesday_25 % cat cattle_health/session.log
[SESSION] Cattle health: transmission, control and decision
support
```

```
17:00 → 17:20 Casey Miriam
Heterogeneity in transmission and diagnosis of Mycobacterium
bovis in Irish cattle herds
17:20 → 17:40 Picault Sébastien
Connect'BRD: A sensor-informed mechanistic modelling framework
```

```
for decision support in bovine respiratory disease management
17:40 → 18:00 De Oliveira Nogueira Pedro
Epidemiological impact of Neospora caninum in Victorian Dairy
Farms: Modelling Effective Control Strategies
18:00 → 18:20 Delecroix Clara
Selective culling and the potential persistence of lumpy skin
disease in cattle herds: insights from a mechanistic
transmission model
```

```
modah@nantes2026 Tuesday_25 % cd ..
modah@nantes2026 conference % cd Wednesday_26
Wednesday · August 26, 2026 – ModAH Conference · Day 2
```

```
modah@nantes2026 Wednesday_26 % ls
07:00 fun_run
09:00 wildlife_epidemiology
10:00 flash_posters
10:20 coffee_am
11:00 swine_endemic_diseases
12:00 lunch
13:40 keynote_02
14:25 networks_and_inference
15:45 coffee_pm
16:45 avian_influenza
19:30 gala
```

```
modah@nantes2026 Wednesday_26 % ./fun_run --distance 5..10km
Initializing runners..... [ OK ]
Loading Île de Nantes..... [ OK ]
[SOCIAL] ModAH fun run
07:00 ————— 08:00
A 5-10 km run around the Île de Nantes
pace: user-defined
```

```
modah@nantes2026 Wednesday_26 % cat wildlife_epidemiology/
session.log
[SESSION] Wildlife epidemiology

```

```
09:00 → 09:20 Belchior Emmanuel
Modelling the within-host dynamics of immunological markers
for Mycobacterium bovis infection in European badgers
(Meles meles)
09:20 → 09:40 Luisiere Tistou
Dynamics of gastro-intestinal nematodes' resistance to
anthelmintics at the interface between ibex and sheep
populations on alpine pastures
09:40 → 10:00 Shapiro Julie Teresa
Artificial intelligence and modeling for real-time monitoring
of the health and welfare of captive foxes

modah@nantes2026 Wednesday_26 % ./flash_posters
Loading presenters..... [ OK ]
Setting runtime..... short
[FLASH POSTER PITCH] 10:00 ————— 10:20

modah@nantes2026 Wednesday_26 % ping coffee
PING coffee (127.0.0.1)
64 bytes from coffee: time=0.25 ms
64 bytes from coffee: time=0.19 ms
coffee is reachable
[BREAK] 10:20 ————— 11:00

modah@nantes2026 Wednesday_26 % cat swine_endemic_diseases/
session.log
[SESSION] Swine endemic diseases: transmission and vaccination

```

```
11:00 → 11:20 Mtaallah Oumaima
Evaluation of different vaccination strategies against
enzootic swine influenza A in a seven-batch farrow-to-finish
French farm system
```

```
11:20 → 11:40 Gangsei Lars Erik
Bayesian simulation of pig trading networks applying
categorical and spatial priors
11:40 → 12:00 Sagrera Mònica
Timing matters: modelling the interplay among maternally
derived antibodies, prevalence of infection and pcv2
vaccination in swine

modah@nantes2026 Wednesday_26 % make lunch
Preparing lunch..... [ OK ]
[BREAK] 12:00 ————— 13:40
Lunch break

modah@nantes2026 Wednesday_26 % cat keynote_02
[KEYNOTE #2] 13:40 ————— 14:25
Arjan Stegeman
Making Model Matter: from model output to decision support

modah@nantes2026 Wednesday_26 % cat networks_and_inference/
session.log
[SESSION] Networks and inference methods for epidemic systems

```

```
14:25 → 14:45 Henriot Paul
Fewer holdings, persistent connectivity: long-term structural
change in the French cattle movement network and implications
for pathogen spread
14:45 → 15:05 Borodziuk Kacper
An agent-based model of bovine tuberculosis transmission
dynamics in high-risk cattle herds in Northern Ireland
15:05 → 15:25 Qin Tianjian
From Livestock Movements to Infection Dynamics:
Mechanism-Informed Learning for Synthetic Contact Networks
15:25 → 15:45 Mraikh Nouhaila
ASPIRE: A Domain-Specific Language for Sensitivity Analysis
and Parameter Inference in Epidemiological Models
```

```
modah@nantes2026 Wednesday_26 % git status
On branch ModAH2026
Your branch is up to date with 'origin/ModAH2026'.
Changes not staged for commit:
      modified:   caffeine_level      [ CRITICAL ]
      modified:   attention_span      [ LOW      ]
Untracked files:
      coffee_needed
no changes added to commit

modah@nantes2026 Wednesday_26 % ping coffee
PING coffee (127.0.0.1)
64 bytes from coffee: time=0.18 ms
64 bytes from coffee: time=0.15 ms
coffee connection stable
[BREAK] 15:45 _____ 16:45
```

```
modah@nantes2026 Wednesday_26 % cat avian_influenza/session.log
[SESSION] Avian influenza: dynamics, risk and preparedness
_____

16:45 → 17:05 Pinotti Francesco
Connecting the dots: estimating the amplification of H9N2 AIV
along poultry production and distribution networks in
Bangladesh
17:05 → 17:25 Hayes Brandon
The HPAI Modelling Challenge: A global initiative to improve
animal health epidemic preparedness and response
17:25 → 17:45 Comper Reilly
A meta-population disease model for the transmission of highly
pathogenic avian influenza H5N1 within and between dairy herds
in Ontario, Canada to assess the potential risk of pathogen
spillover to dairy workers
17:45 → 18:05 Volmer Kilian
Leveraging High-Performance Computing for swift Calibration
- A case study for the HPAI modelling challenge
```

```
modah@nantes2026 Wednesday_26 % chmod +x gala
modah@nantes2026 Wednesday_26 % ./gala
Loading Quai West..... [ OK ]
Connecting participants..... [ OK ]
Initializing cocktail dinner..... [ OK ]
Starting networking service..... [ OK ]
[SOCIAL] Gala dinner
19:30 → ∞
Quai West · Île de Nantes · overlooking the Loire
Cocktail dinner and networking evening
timeout: none
```

```
modah@nantes2026 Wednesday_26 % cd ..
modah@nantes2026 conference % cd Thursday_27
Thursday · August 27, 2026 - ModAH Conference · Day 3
```

```
modah@nantes2026 Thursday_27 % ls
09:20   vector_borne_diseases
10:20   coffee
11:20   african_swine_fever
12:20   closing
13:00   lunch

modah@nantes2026 Thursday_27 % cat vector_borne_diseases/
session.log
[SESSION] Vector-borne disease systems
_____

09:20 → 09:40 Gjaltema Sara N
Reconstructing the silent spillover of USUV and WNV in the
Netherlands: insights from a multi-species serocatalytic model
09:40 → 10:00 Hammami Pachka
Impact of recent climate on Bluetongue and Epizootic
Hemorrhagic
Disease Virus emergence in France
10:00 → 10:20 Kumar Viney
A multi-layer network-based modeling framework for epizootic
```

hemorrhagic disease transmission in France

```
modah@nantes2026 Thursday_27 % ping coffee
```

PING coffee (127.0.0.1)

64 bytes from coffee: time=0.16 ms

64 bytes from coffee: time=0.14 ms

coffee connection stable

[BREAK] 10:20 ————— 11:20

```
modah@nantes2026 Thursday_27 % cat african_swine_fever/
session.log
```

[SESSION] African swine fever: from wildlife reservoirs to farm control

11:20 → 11:40 Acosta Alfredo

Decision Support Modelling for ASF intervention: Dynamics and Optimization in Wild Boar Populations in West-Central Germany

11:40 → 12:00 Sicard Vianney

The Trojan Boar: modelling vaccine-derived ASF emergence under discontinuous live attenuated vaccination campaigns in wild boar

12:00 → 12:20 Satıcı Muhammed

Optimizing sampling and diagnostic testing protocols for African swine fever detection in swine farms

```
modah@nantes2026 Thursday_27 % ./closing
```

Preparing final session..... [OK]

[CLOSING] 12:20 ————— 13:00

Pauline Ezanno

A decade of ModAH: From connected disease models to a connected modelling ecosystem

```
modah@nantes2026 Thursday_27 % make lunch --takeaway
```

Preparing takeaway lunches..... [OK]

[INFO] 13:00 → Takeaway lunch provided

```
modah@nantes2026 Thursday_27 % cd ~
```

```
modah@nantes2026 ~ % git status
```

On branch ModAH2026

Your branch is up to date with 'origin/ModAH2026'.

nothing to commit, working tree clean

```
modah@nantes2026 ~ % exit
```

Saving models..... [OK]

Saving new collaborations..... [OK]

Saving conference history..... [OK]

logout

Connection to nantes2026 closed.

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