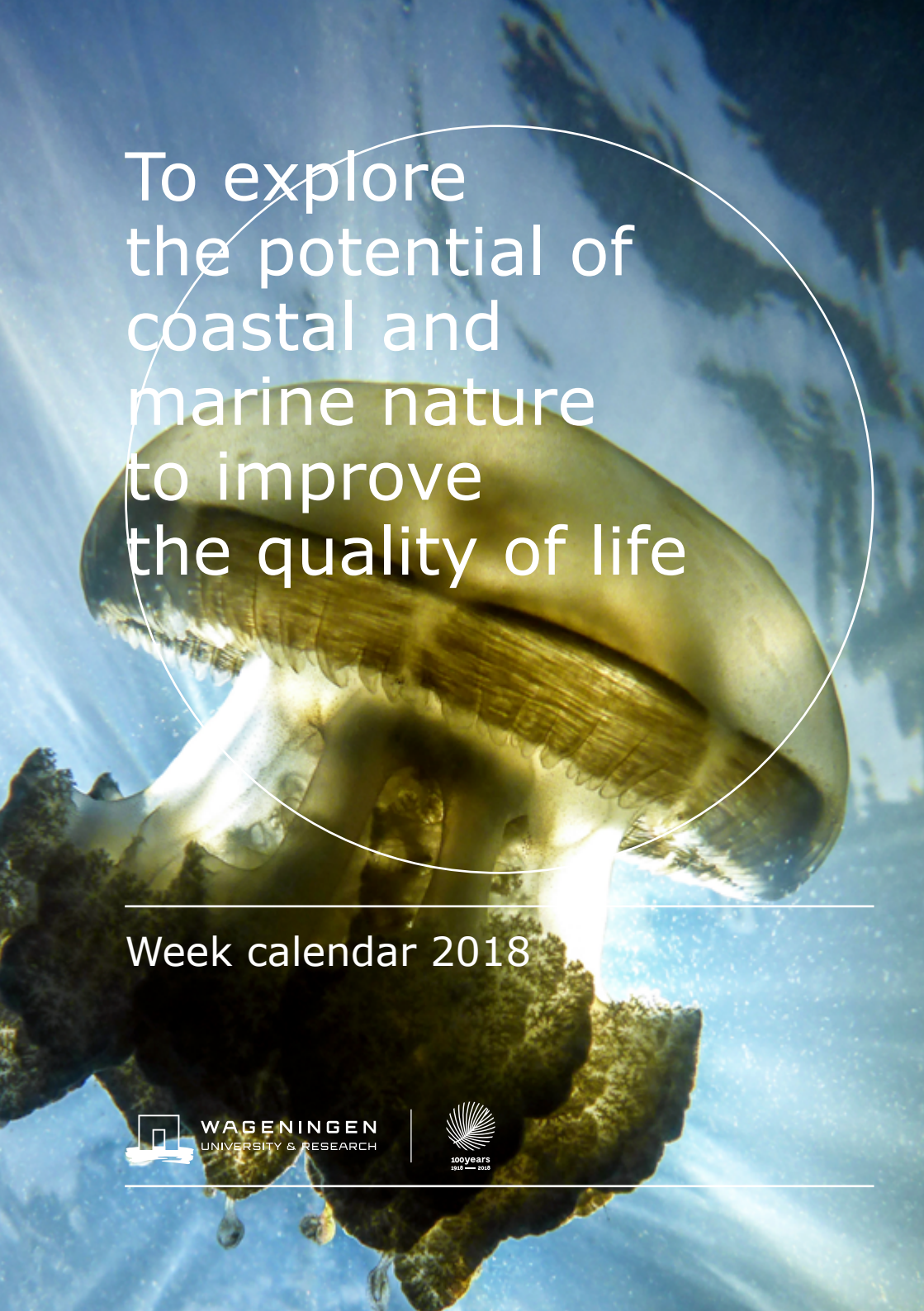


Week calendar 2018

WAGENINGEN
UNIVERSITY & RESEARCH

100years
1918 — 2018

Cover photo Christiaan de Leeuw

As 2018 only has 52 weeks, we unfortunately could only include a selection of all the interesting work and photos sent to us by our Wageningen University & Research (WUR) colleagues. More information about the 'study of the week' plus some of the not included work can be found via the calendar website below.

Tinka Murk (editor) and Pepijn de Vries (assistant editor)

WAGENINGEN
UNIVERSITY & RESEARCH

100years
1918 — 2018

www.wur.eu/marinecalendar2018

Foreword

The European commission has developed a long term strategy, called Blue Growth, to support sustainable growth in the marine and maritime sectors. Seas and oceans are promoted as drivers for innovation and growth of the European economy. The current 'blue' economy roughly represents 5.4 million jobs and generates a gross added value of almost 500 billion Euros a year. Further growth is going to be stimulated in 5 areas: aquaculture, coastal tourism, marine biotechnology, ocean energy, and seabed mining.
Of course it is great to make use of a 'sea of opportunities'.
The seas, however, already are quite intensively used, and for further sustainable and inclusive use better care should be taken of the health, resilience and biodiversity of the marine ecosystems.

As the world is expected to have almost 10 billion inhabitants in 2050, a huge challenge lies ahead of us: how to feed this population without degrading the environments that provide the resources for food production. Using marine resources for the benefit of society in a responsible way requires innovative approaches that smartly integrates technical, environmental and socio-economic knowledge.

Such transdisciplinary approaches are a major strength of Wageningen University & Research (WUR). Together we cover expertise from fisheries ecology to adaptive governance of sea level rise; from aquaculture to sustainable tourism; in temperate, Arctic and Tropical areas. In 2012 the innovation program TripleP@Sea was initiated. This program, led by prof. Tinka Murk, clearly demonstrates how transdisciplinary collaboration forms the basis for new discoveries and innovations, creating successful research, education and societal and economic value.

This calendar illustrates the versatility and beauty of the work of many, but certainly not all, Wageningen University & Research colleagues, exploring the potential of coastal and marine nature to improve the quality of life.

Enjoy!

Prof.dr Arthur Mol
Rector Magnificus/vice-president Wageningen University & Research

Wouter Jan Strietman

100years

Scientists from WUR trace sources of marine plastic litter in the Arctic and support stakeholders in developing action plans to prevent marine plastic pollution.

www.wur.eu/marinecalendar2018

January

week 1

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
01	02	03	04

FRIDAY	SATURDAY	SUNDAY	MONDAY
05	06	07	08

Pauline Jéhannet

100years

Scientists from WUR share experiences and collaborate in the International Eel Reproduction Innovation Centre in an effort to close the eel life cycle in aquaculture.

www.wur.eu/marinecalendar2018

January

week 2

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
08	09	10	11

FRIDAY	SATURDAY	SUNDAY	MONDAY
12	13	14	15

Putu Liza Kusuma Mustika

100years

Habitat use and migration routes of spinner dolphins and other cetaceans are studied to improve marine mammal protection in marine spatial planning, in this case in Wakatobi - Indonesia.

www.wur.eu/marinecalendar2018

January

week 3

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
15	16	17	18

FRIDAY	SATURDAY	SUNDAY	MONDAY
19	20	21	22

Hugo Schuitemaker

100years

By collaborating with fishermen, WUR scientists can obtain a wealth of data as well as important insights on fishers' decision making.

www.wur.eu/marinecalendar2018

January

week 4

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
22	23	24	25

FRIDAY	SATURDAY	SUNDAY	MONDAY
26	27	28	29


Steve Geelhoed

100years

Flamingos avoided a salt lake after a petrochemical fire.
WUR examines the risks posed to the birds as they return to the polluted lake.

www.wur.eu/marinecalendar2018

January | February

week 5

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
29	30	31	01

FRIDAY	SATURDAY	SUNDAY	MONDAY
02	03	04	05

Ben Griffioen

100years

Scientist of WUR study the effectiveness for eel of the upcoming Fish Migration River in the Afsluitdijk.

www.wur.eu/marinecalendar2018

February

week 6

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
05	06	07	08

FRIDAY	SATURDAY	SUNDAY	MONDAY
09	10	11	12

Jillian Student

100years

WUR uses participatory approaches and simulations to improve understanding of emerging ecological and social vulnerabilities in the coastal tourism sector.

www.wur.eu/marinecalendar2018

February

week 7

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
12	13	14	15

FRIDAY	SATURDAY	SUNDAY	MONDAY
16	17	18	19

100years

On the Afsluitdijk, separating the large fresh water Lake IJssel from the North Sea, the world's first salinity gradient power plant will capture renewable energy based on technology from WUR scientists.

www.wur.eu/marinecalendar2018

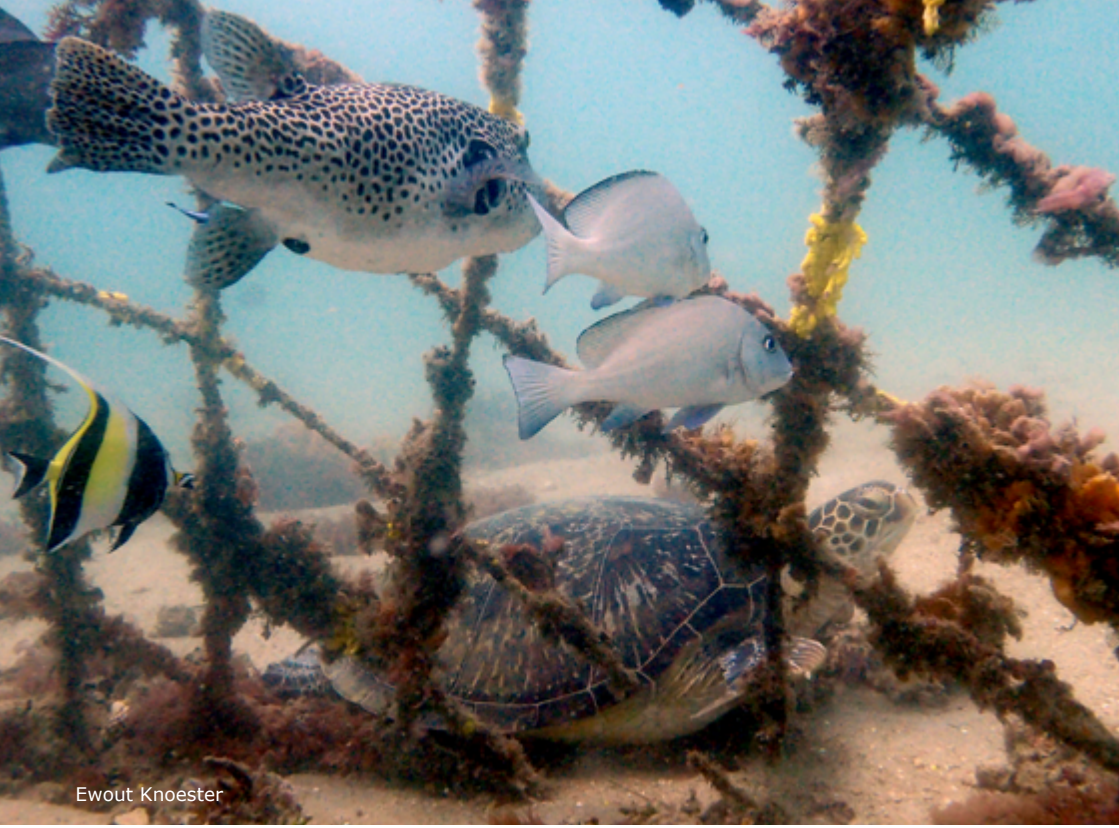
February

week 8

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
19	20	21	22

FRIDAY	SATURDAY	SUNDAY	MONDAY
23	24	25	26



Ewout Knoester

100years

Scientists from WUR place shelters to attract herbivorous animals to coral reef restoration sites. Their grazing facilitates coral reef development.

www.wur.eu/marinecalendar2018

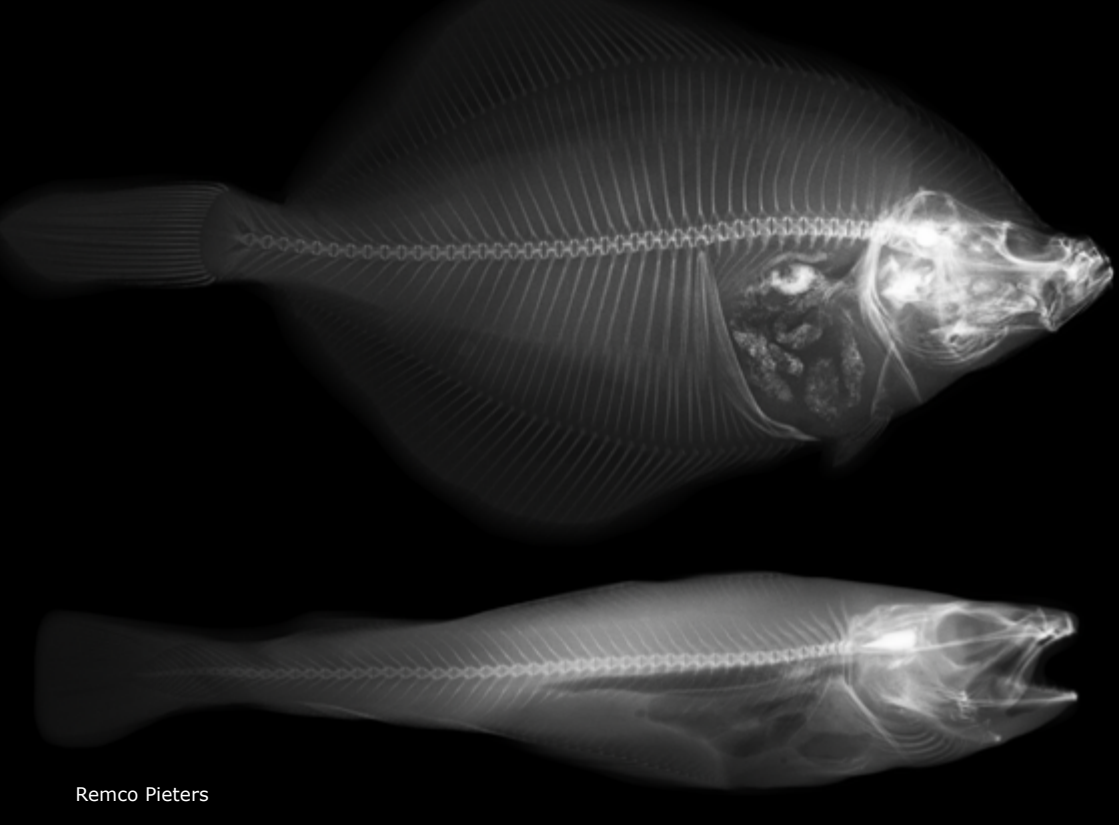
February | March

week 9

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
26	27	28	01

FRIDAY	SATURDAY	SUNDAY	MONDAY
02	03	04	05



Remco Pieters

100years

Scientists from WUR use radiography, an X-ray imaging technique, to study the internal structure of marine fishes caught by electric pulse fisheries in the North Sea.

www.wur.eu/marinecalendar2018

March

week 10

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
05	06	07	08

FRIDAY	SATURDAY	SUNDAY	MONDAY
09	10	11	12

Oscar Bos

100years

Scientists of WUR are unveiling what native and exotic species can be found in the Dutch part of the North Sea. This is an important basis for nature policy.

www.wur.eu/marinecalendar2018

March

week 11

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
12	13	14	15

FRIDAY	SATURDAY	SUNDAY	MONDAY
16	17	18	19

Edwin Foekema

100years

The GASDRIVE project aims to develop a revolutionary energy efficient ship. As spin-off, WUR researchers develop innovative methods to reduce fouling of ship hulls.

www.wur.eu/marinecalendar2018

March

week 12

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
19	20	21	22

FRIDAY	SATURDAY	SUNDAY	MONDAY
23	24	25	26

Pieke Molenaar

100years

Researchers of WUR develop innovative fishing nets based on better understanding of fish behaviour. This will increase selectivity and thus reduce bycatches.

www.wur.eu/marinecalendar2018

March | April

week 13

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
26	27	28	29

FRIDAY	SATURDAY	SUNDAY	MONDAY
30	31	01	02

Sophie Nietzel

100years

With local Asian partners, WUR aims to create incentives for governments and the private sector to manage Pacific Tuna fisheries innovatively and equitably.

www.wur.eu/marinecalendar2018

April

week 14

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
02	03	04	05

FRIDAY	SATURDAY	SUNDAY	MONDAY
06	07	08	09

Pauline Kamermans

100years

In an effort to reduce the losses from the Japanese oyster drill, a predatory snail, methods are tested to culture oysters off-bottom. WUR studies the ecological effects.

www.wur.eu/marinecalendar2018

April

week 15

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
09	10	11	12

FRIDAY	SATURDAY	SUNDAY	MONDAY
13	14	15	16

Marit Nederlof

100years

WUR combines available knowledge in seaweed biotechnology with reliable eco-friendly tools to scale op seaweed operations and boost the blue biobased economy.

www.wur.eu/marinecalendar2018

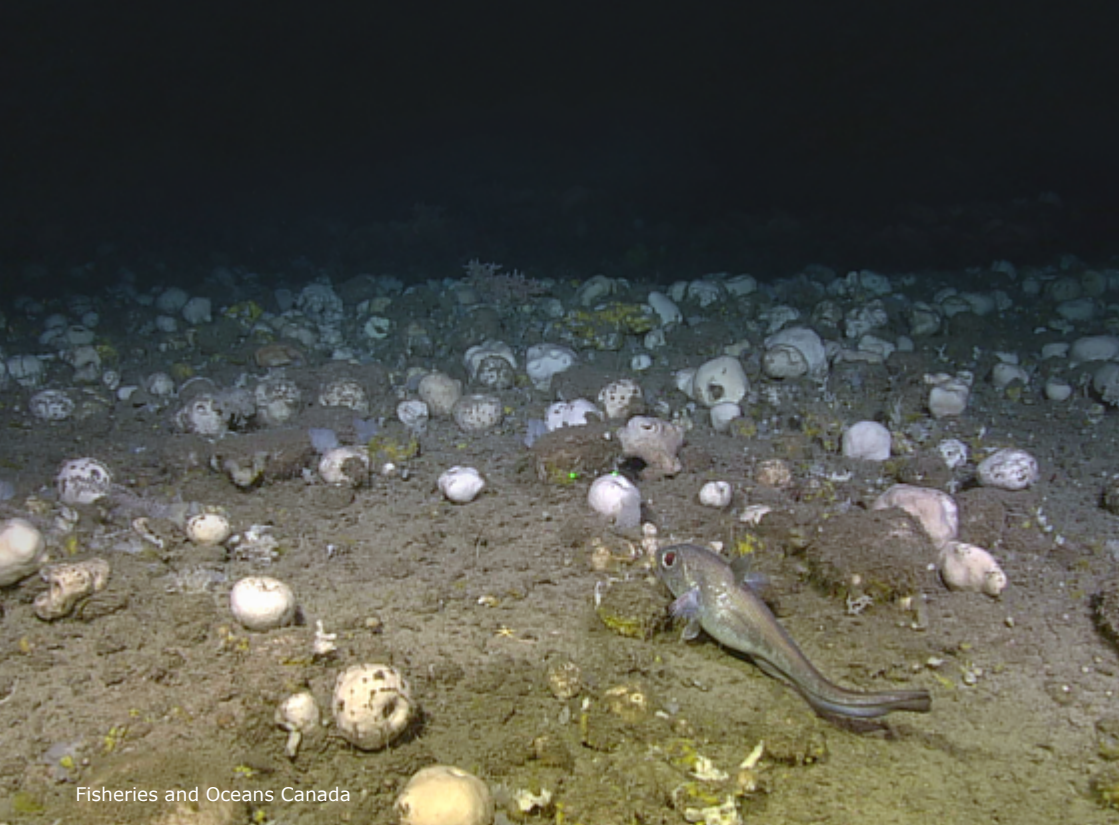
April

week 16

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
16	17	18	19

FRIDAY	SATURDAY	SUNDAY	MONDAY
20	21	22	23


Fisheries and Oceans Canada

100years

WUR scientist of multiple disciplines, involved in the EU HORIZON2020 project SponGES, study the roles of sponges in the deep North Atlantic Ocean.

www.wur.eu/marinecalendar2018

April

week 17

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
23	24	25	26

FRIDAY	SATURDAY	SUNDAY	MONDAY
27	28	29	30

Blue-Forests

100years

WUR supports Indonesian shrimp farmers by training them in Coastal Field Schools to make aquaculture sustainable and to support mangrove restoration.

www.wur.eu/marinecalendar2018

April | May

week 18

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
30	01	02	03

FRIDAY	SATURDAY	SUNDAY	MONDAY
04	05	06	07

Benjamin Mueller

100years

In the project 'Pumping iron' scientists from WUR study the effect of iron availability on reef community shifts from coral to sponge domination.

www.wur.eu/marinecalendar2018

May

week 19

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
07	08	09	10

FRIDAY	SATURDAY	SUNDAY	MONDAY
11	12	13	14

Mare van den Heuvel

100years

With innovative DNA techniques scientists of WUR assess the presence of marine alien species in the Arctic.

www.wur.eu/marinecalendar2018

May

week 20

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
14	15	16	17

FRIDAY	SATURDAY	SUNDAY	MONDAY
18	19	20	21

Reindert Nijland

100years

WUR scientists study how exotic species, such as this Brush-clawed shore crab, are introduced and establishing themselves in (changing) marine environments.

www.wur.eu/marinecalendar2018

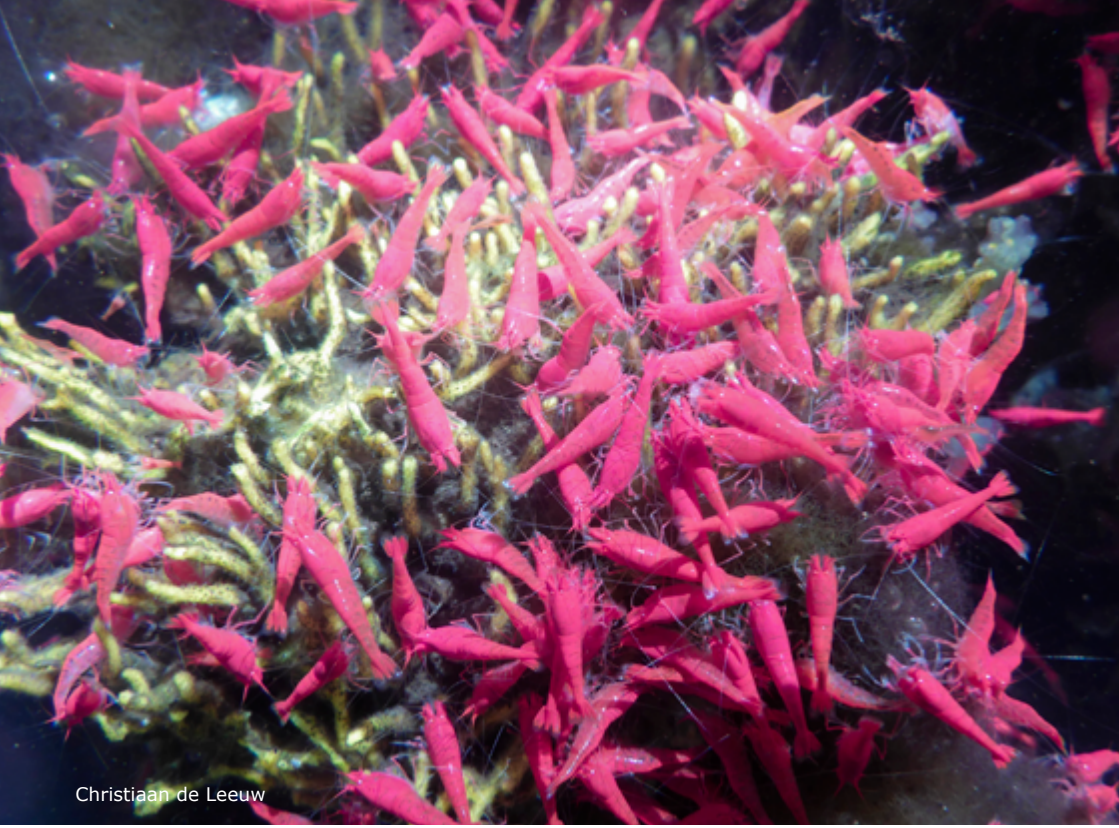
May

week 21

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
21	22	23	24

FRIDAY	SATURDAY	SUNDAY	MONDAY
25	26	27	28



Christiaan de Leeuw

100years

Researchers of WUR study the unique species communities in marine lakes in Indonesia. The absence of predators can lead to very high densities of species like this vivid shrimp.

www.wur.eu/marinecalendar2018

May | June

week 22

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
28	29	30	31

FRIDAY	SATURDAY	SUNDAY	MONDAY
01	02	03	04

Tinka Murk

100years

Traditional mussel bottom cultures depend on the environment for seed and feed. WUR works together with mussel growers to improve understanding of culture-environment relations.

www.wur.eu/marinecalendar2018

June

week 23

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
04	05	06	07

FRIDAY	SATURDAY	SUNDAY	MONDAY
08	09	10	11

Mardik Leopold

100years

Ready for take-off! WUR Scientists follow sandwich terns on their local and Atlantic journeys, using colour rings, together with Natuurmonumenten and Vogelinformatiecentrum Texel.

www.wur.eu/marinecalendar2018

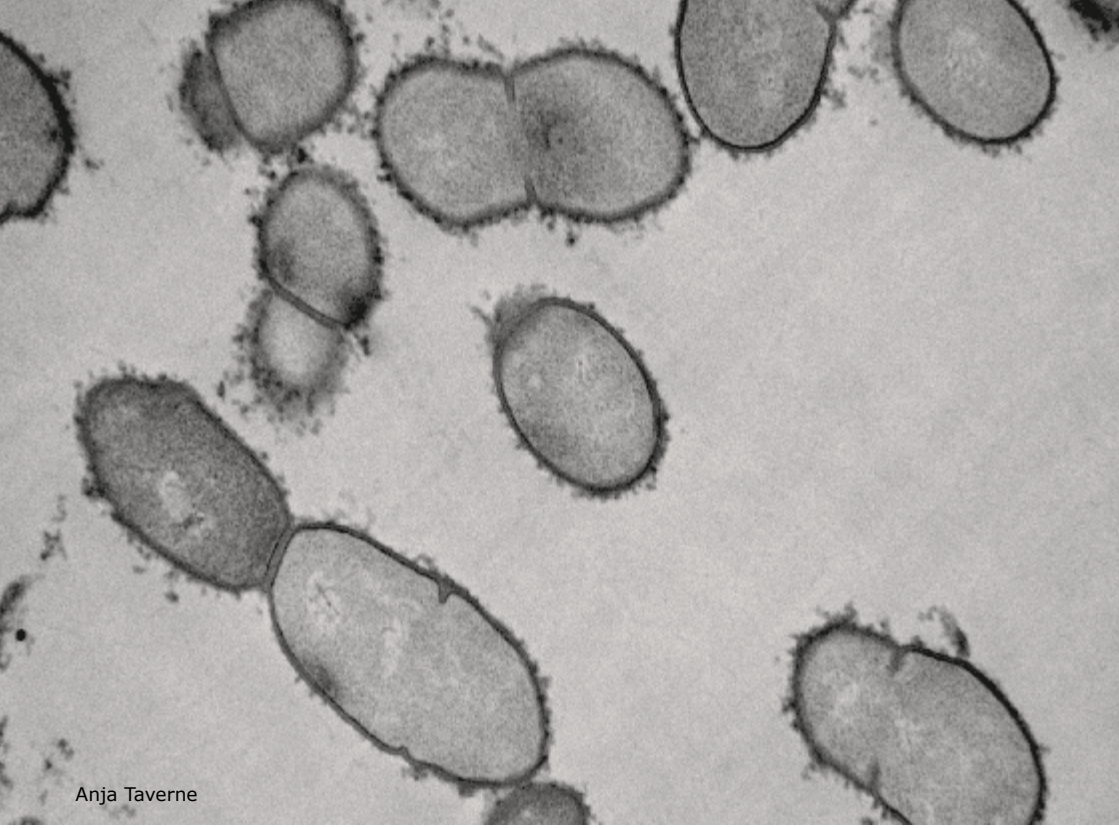
June

week 24

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
11	12	13	14

FRIDAY	SATURDAY	SUNDAY	MONDAY
15	16	17	18



Anja Taverne

100years

Since 2015 the neurotoxin Tetrodotoxin, known from pufferfish and other warm water animals, is found in the Eastern Scheldt. Scientists from WUR search for the bacterial sources.

www.wur.eu/marinecalendar2018

June

week 25

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
18	19	20	21

FRIDAY	SATURDAY	SUNDAY	MONDAY
22	23	24	25

Shutterstock

100years

Maritime shipping transports 90% of all global trade. WUR studies how different policy instruments, e.g. law and environmental indexes, drive corporate social responsibility within this industry.

www.wur.eu/marinecalendar2018

June | July

week
26
2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
25	26	27	28

FRIDAY	SATURDAY	SUNDAY	MONDAY
29	30	01	02

Arjan Palstra

100years

The European networking Action FITFISH unites scientists from 28 countries to study fish swimming in the wild and in aquaculture under a multidisciplinary perspective.

www.wur.eu/marinecalendar2018

July

week 27

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
02	03	04	05

FRIDAY	SATURDAY	SUNDAY	MONDAY
06	07	08	09

Shutterstock

100years

In the Water Nexus program scientists from WUR aim to close the industrial water cycle by using saline water and reusing wastewater treated in green infrastructure.

www.wur.eu/marinecalendar2018

July

week 28

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
09	10	11	12

FRIDAY	SATURDAY	SUNDAY	MONDAY
13	14	15	16

Edwin Foekema

100years

In marine mesocosms, WUR studies the consequences of factors such as nano- and microplastics or rubble beds on community development over several months.

www.wur.eu/marinecalendar2018

July

week 29

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
16	17	18	19

FRIDAY	SATURDAY	SUNDAY	MONDAY
20	21	22	23

Le Minh Truong

100years

WUR and Van Lang Univrsity study waste water reuse, by industry and agriculture, sustaining economic growth in the Mekong delta suffering from climate change and sea water intrusion.

www.wur.eu/marinecalendar2018

July

week 30

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
23	24	25	26

FRIDAY	SATURDAY	SUNDAY	MONDAY
27	28	29	30

Tinka Murk

100years

Researchers of WUR study how seaweed can be safely produced and sustainably combined with other types of use of marine space such as offshore wind farming.

www.wur.eu/marinecalendar2018

July | August

week 31

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
30	31	01	02

FRIDAY	SATURDAY	SUNDAY	MONDAY
03	04	05	06

Reindert Nijland

100years

In the MERCES project researchers of WUR investigate the governance, the costs, and the benefits of restoring marine ecosystems such as seagrass beds and kelp forests.

www.wur.eu/marinecalendar2018

August

week 32

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
06	07	08	09

FRIDAY	SATURDAY	SUNDAY	MONDAY
10	11	12	13

Tinka Murk

100years

Flat oysters, a reef-building keystone species, were absent in the North Sea for decades. WUR contributes to reintroduction efforts.

www.wur.eu/marinecalendar2018

August

week 33

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
13	14	15	16

FRIDAY	SATURDAY	SUNDAY	MONDAY
17	18	19	20

Erik Boman

100years

To be able to improve the management of the Queen conch (Lobatus gigas) in the Caribbean region, their biology and ecology is studied by scientists from WUR.

www.wur.eu/marinecalendar2018

August

week 34

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
20	21	22	23

FRIDAY	SATURDAY	SUNDAY	MONDAY
24	25	26	27

Nathalie Steins

100years

Scientists from WUR and fishing businesses are searching for more sustainable methods to catch flatfish and shrimp, including experimenting with pulse trawling.

www.wur.eu/marinecalendar2018

August | September

week
35
2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
27	28	29	30

FRIDAY	SATURDAY	SUNDAY	MONDAY
31	01	02	03

Edwin Foekema

100years

Bioturbation of marine sediments is the basis for a healthy marine ecosystem. Within the C-IMAGE project scientists from WUR study the impact of oil pollution on bioturbation.

www.wur.eu/marinecalendar2018

September

week 36

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
03	04	05	06

FRIDAY	SATURDAY	SUNDAY	MONDAY
07	08	09	10

Udo van Dongen

100years

Scientists of WUR study the role of offshore structures in the North Sea in the distribution of species and inter-connectivity of reef communities.

www.wur.eu/marinecalendar2018

September

week 37

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
10	11	12	13

FRIDAY	SATURDAY	SUNDAY	MONDAY
14	15	16	17

Douwe van den Ende

100years

WUR researchers explore the potential of using drones in mussel bed monitoring and other field research to enhance effectiveness and reduce costs.

www.wur.eu/marinecalendar2018

September

week 38

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
17	18	19	20

FRIDAY	SATURDAY	SUNDAY	MONDAY
21	22	23	24

John Bastiaansen

100years

Scientists from WUR collaborate in the EU MedAID project (Mediterranean Aquaculture Integrated Development) addressing key factors to improve aquaculture production in the Mediterranean.

www.wur.eu/marinecalendar2018

September | October

week 39

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
24	25	26	27

FRIDAY	SATURDAY	SUNDAY	MONDAY
28	29	30	01

100years

Scientists of WUR study the effects of dredge sediment disposal - a Mud Motor - on salt marsh expansion and nature based coastal defense in the Dutch Wadden Sea.

www.wur.eu/marinecalendar2018

October

week 40

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
01	02	03	04

FRIDAY	SATURDAY	SUNDAY	MONDAY
05	06	07	08

Niels Hintzen

100years

Scientists of WUR study fish from the pelagic fishing fleet for age, weight and sex. This information is used to provide ICES advice on maximum sustainable catches.

www.wur.eu/marinecalendar2018

October

week 41

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
08	09	10	11

FRIDAY	SATURDAY	SUNDAY	MONDAY
12	13	14	15

Reindert Nijland

100years

In a Dutch consortium together with the Indonesian government and partners researchers of WUR developed an innovative approach for mangrove restoration.

www.wur.eu/marinecalendar2018

October

week 42

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
15	16	17	18

FRIDAY	SATURDAY	SUNDAY	MONDAY
19	20	21	22

Dennis Indah Ariestya

100years

Together with local partners, WUR designs breeding programs for aquaculture that increase the productivity and profitability of smallholder farms.

www.wur.eu/marinecalendar2018

October

week 43

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
22	23	24	25

FRIDAY	SATURDAY	SUNDAY	MONDAY
26	27	28	29

Marie Bonnin

100years

Scientists from WUR explore opportunities and limits of marine spatial planning processes in the Tropical Atlantic, together with researchers and practitioners from Africa, Brazil and Europe.

www.wur.eu/marinecalendar2018

October | November

week 44

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
29	30	31	01

FRIDAY	SATURDAY	SUNDAY	MONDAY
02	03	04	05

Lawrence Jones-Walters

100years

Alternatives are being sought to compensate for important mangrove loss by bridge building. WUR is involved by training local stakeholders in participative management planning.

www.wur.eu/marinecalendar2018

November

week 45

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
05	06	07	08

FRIDAY	SATURDAY	SUNDAY	MONDAY
09	10	11	12

Geert Wiegertjes

100years

WUR coordinates the EU project TargetFish in which European fish immunology expert groups aim to commercialize fish vaccines to prevent fish diseases in European aquaculture.

www.wur.eu/marinecalendar2018

November

week 46

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
12	13	14	15

FRIDAY	SATURDAY	SUNDAY	MONDAY
16	17	18	19

Diana Slijkerman

100years

WUR studies possible solutions for sustainable biodiversity-related economic development In the Caribbean Netherlands, which could reduce the current negative pressures on coral reefs.

www.wur.eu/marinecalendar2018

November

week 47

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
19	20	21	22

FRIDAY	SATURDAY	SUNDAY	MONDAY
23	24	25	26

Detmer Sipkema

100years

Scientists from WUR study symbiosis of deep-sea sponges with microorganisms and in this case with tube snails living inside a Caribbean sponge (seen from the bottom).

www.wur.eu/marinecalendar2018

November | December

week 48

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
26	27	28	29

FRIDAY	SATURDAY	SUNDAY	MONDAY
30	01	02	03

Judith Klostermann

100years

WUR scientists study how the socio-economic activities of marine communities transform due to new opportunities following climate change.

www.wur.eu/marinecalendar2018

December

week
49

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
03	04	05	06

FRIDAY	SATURDAY	SUNDAY	MONDAY
07	08	09	10

Harry Barnes-Dabban

100years

African ports develop innovative collaborative arrangements to enhance their environmental performance. These trends are explored by WUR scholars and partners.

www.wur.eu/marinecalendar2018

December

week 50

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
10	11	12	13

FRIDAY	SATURDAY	SUNDAY	MONDAY
14	15	16	17

Park Bao

100years

WUR studies the risks to health and environmental posed by contaminants in Chinese marine sediments that accumulate in marine animals, including this popular edible portunid crab.

www.wur.eu/marinecalendar2018

December

week 51

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
17	18	19	20

FRIDAY	SATURDAY	SUNDAY	MONDAY
21	22	23	24

Shutterstock

100years

WUR participates in the European training network MARmaED, in which 15 PhD students work on the socio-economic consequences of rapid marine environmental change.

www.wur.eu/marinecalendar2018

December

week 52

2018

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
24	25	26	27

FRIDAY	SATURDAY	SUNDAY	MONDAY
28	29	30	31

Shutterstock

100years

Scientists from WUR study the effects of sunscreen on coral health and try to develop less harmful bio-inspired sunscreen, made from natural sources.

www.wur.eu/marinecalendar2018

January

week 1

2019

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
31	01	02	03

FRIDAY	SATURDAY	SUNDAY	MONDAY
04	05	06	07