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Ethological and endocrinological aspects of the female reproductive behaviour of the Eurasian badger - meles meles

Fact Sheet

Project Information

Grant agreement ID: FMBI961778

Start date

End date

Funded under
Specific research and technological development programme in the field of the training and mobility of researchers, 1994-1998

Total cost
No data

EU contribution
No data

Coordinated by
THE CHANCELLOR, MASTERS
AND SCHOLARS OF THE
UNIVERSITY OF OXFORD
 United Kingdom

Objective

Badgers are among Europe's most endangered mammals. For effective conservation

and understanding their role in transmitting bovine tuberculosis detailed knowledge of their reproductive and social system is essential. But so far little is known about their reproductive biology. This will be the first study concentrating on behavioural changes of individual females in relation to their reproductive state. Female behaviour will be observed by radiotracking and IR-light sensitive video cameras. The main sett area above ground will be video-monitored continuously and very small cameras will be installed inside the dens. As badgers were never observed before in their natural dens, these recordings will provide new insights in their social life and reproductive behaviour. New non-invasive methods will be applied to quantify levels of sex-hormones and corticosteroids in faeces to determine the reproductive state (oestrus-cycle/gravidity) and levels of social stress in breeding and nonbreeding females, thus investigating the mechanisms of reproductive suppression.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [electronic engineering](#) > [sensors](#) > **[optical sensors](#)**

[medical and health sciences](#) > [clinical medicine](#) > [pneumology](#) > **[tuberculosis](#)**

[natural sciences](#) > [biological sciences](#) > [zoology](#) > **[mammalogy](#)**

[natural sciences](#) > [biological sciences](#) > **[reproductive biology](#)**



Programme(s)

[FP4-TMR - Specific research and technological development programme in the field of the training and mobility of researchers, 1994-1998](#)

Topic(s)

[0301 - Post-graduate research training grants](#)

[TL15 - Population Sciences \(inc. Ecology, Evolutionary Sc., Biodiversity & Conserva.\)](#)

Call for proposal

Data not available

Funding Scheme

Coordinator



THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD

EU contribution

No data

Total cost

No data

Address

SOUTH PARKS ROAD
OX1 3PS OXFORD

United Kingdom

Participants (1)



Not available

Germany

EU contribution

No data

Address



Total cost

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