

# IUCN SSC Rusts and Smuts Specialist Group

2020 Report



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## Chair

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## Red List Authority Coordinator

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## Location/Affiliation

Institute of Biodiversity and Ecosystem  
Research, Bulgarian Academy of Sciences,  
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## Number of members

9

## Social networks

Website: [www.cybertruffle.org.uk/rustsmut](http://www.cybertruffle.org.uk/rustsmut)

## Mission statement

The mission of the Rust and Smut Specialist Group (RSSG) is to promote the study and conservation of the rust and smut fungi by: (1) increasing current knowledge on the taxonomy of the species, (2) identifying and documenting threats to the survival of the species, and (3) assessing and monitoring their conservation status.

## Projected impact for the 2017-2020 quadrennium

The conservation status of 50 species of rust and smut fungi will be assessed.

## Targets for the 2017-2020 quadrennium

### Assess

Red List: Complete assessment of 50 species of smut fungi (subphylum *Ustilaginomycotina*) and rust fungi (subphylum *Pucciniomycotina*). The geographic regions considered for assessments include Europe; Central, East, and South Asia; Australasia; Africa; and Central and South America.

## Activities and results 2020

### Assess

#### Research activities

**i.** In 2020, we worked actively in the field of taxonomy, phylogeny, and distribution of smut fungi. (KSR #43)

**ii.** In 2020, we published a monograph about the smut fungi of Greenland (<https://doi.org/10.3897/mycokeys.64.47380>). (KSR #43)

## Summary of activities 2020

Components of Species Conservation Cycle: 1/5

Assess **2** **||**

Main KSRs addressed: 43

KSR: Key Species Result



*Urocystis primulae* from Bulgaria  
Photo: T.T. Denchev



*Microbotryum intermedium* from Bulgaria  
Photo: T.T. Denchev