



# GMA Research Support

Morphologics & Swedish Morphological Society

[www.morphologics.se](http://www.morphologics.se) / [www.swemorph.com](http://www.swemorph.com)

The Swedish Morphological Society, in association with Morphologics, provides morphological modelling "at-a-distance". If your work would benefit from the development of one or more morphological models, this can be facilitated via e-mail at a much reduced price.

**Please note the following:** We do not act as subject matter advisors or consultants, but only facilitate *method* as concerns the use of general morphological modeling.

## How it works

### **Prerequisites:**

We require that you understand the basic principles of General Morphological Analysis (GMA). For this we recommend that you read one of the following articles available at the designated URLs:

\* Morphological Analysis - A general method for non-quantified modelling  
<https://www.swemorph.com/ma.html>

\* Problem Structuring using Computer-Aided Morphological Analysis  
<https://www.swemorph.com/pdf/psm-gma.pdf>

### **Step 1:**

Send us a **short** description of your study/research program. Tell us how many parameters (variables) you think that you will need to employ in the model (we recommend that a single morphological model should not exceed 8 variables). We will then send you instructions and a template in which to enter your morphological field parameters and conditions. When you receive the template, follow the instructions, create a first GMA-field prototype, and send it back to us. We may have questions or comments before going on to Step 2.

### **Step 2:**

We will construct and send you your model along with a MA/Carma CCA-software package and instructions on how to perform the Cross-Consistency Assessment (CCA). Follow the instructions, send the results back to us, and we will do a diagnostic. It may need a few iterations.

### **Step 3:**

When the CCA has been completed properly, we will compile the finished model and send it back to you with an evaluation. With the MA/Carma CCA-software you will be able to run the model, designate different drivers/inputs, make "what if" inferences and display clusters. This will give you the flexibility you need to explore the solution space of your morphological field, and to present alternative solutions/scenarios depending on different drivers/inputs.