Quick Guide:
Transform existing graphics into audio tactile graphics

From already existing digital, or physical graphics (e.g. thermoform) a tactile graphic can be provided with additional audio information.

Digitale Ausgangsgrafik

Formats: SVG, VG, SVGZ (gzipped SVG), PDF, EPS, und AI.

1. **Download template**
   https://share.problind.org/graphic/createTemplate

2. **Open graphic with Inkscape**
   [File/Open/Confirm with „Ok"]

3. **Edit Graphic**
   Inkscape - No colors, only black
   Font: Courier New 27 pt
   (will be converted to Braille)
   Ungroup
   Inkscape - Select graphic
   [Ungroup object/group]

4. **Add text information**
   Possibility to add texts for voice output
   [Object Properties Window /Title, Description]
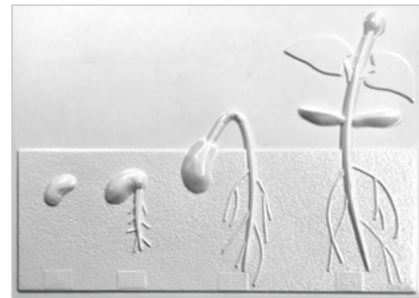   To read out the data a graphics reader is required.

5. **Upload graphic**
   https://share.problind.org/graphic/upload

Important information:

- Converting, using and distribution of the graphic should not violate copyrights.

- Graphics should be reduced to the point that information and graphic content can be can be quickly grasped by blind and visually impaired people.

Physical tactile graphic

Example: Thermoform „Growth of the bean"

1. **Download template**
   https://share.problind.org/graphic/createTemplate

2. **Open graphic with Inkscape**

3. **Side lengths of the tactile graphic measure and draw as a box (1,5 mm contour) at the desired position of the Inkscape graphic**
   Width and length of the box should be 4 mm measure more than graphic.

4. **Print the file, place the tactile graphic in the box provided and and photograph without distortion**
   Width and length of the box should be 4 mm more in size than graphic measure.

5. **Import the photo into Inkscape and make all the control points coincide. Then colorize the photo in blue**
   Hide blue layer before upload.

6. **Add text information**
   Possibility to add texts for voice output
   [Object Properties Window/Title, Description]

7. **Upload graphic**
   https://share.problind.org/graphic/upload