

► Classes/labels/species:

$$k \in \left\{ \text{flower icons} \right\} \triangleq [K]$$

► Images collected:

$$x_i \in \left\{ \text{image icons} \right\} \triangleq \mathcal{X}_{\text{train}}$$

► Users/labelers:

$$u \in \left\{ \text{user icons} \right\} \triangleq [n_{\text{user}}]$$

► Labels given by u to x_i :

$$y_i^u \triangleq \left\{ \text{label icon, image icon} \right\} \in \left\{ \text{flower icons} \right\}$$

► Users labeling x_i :

$$\triangleq \mathcal{U}(x_i)$$