Preventing Cat-astrophes with GNU MediaGoblin

Sturm

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Demo

The Tech

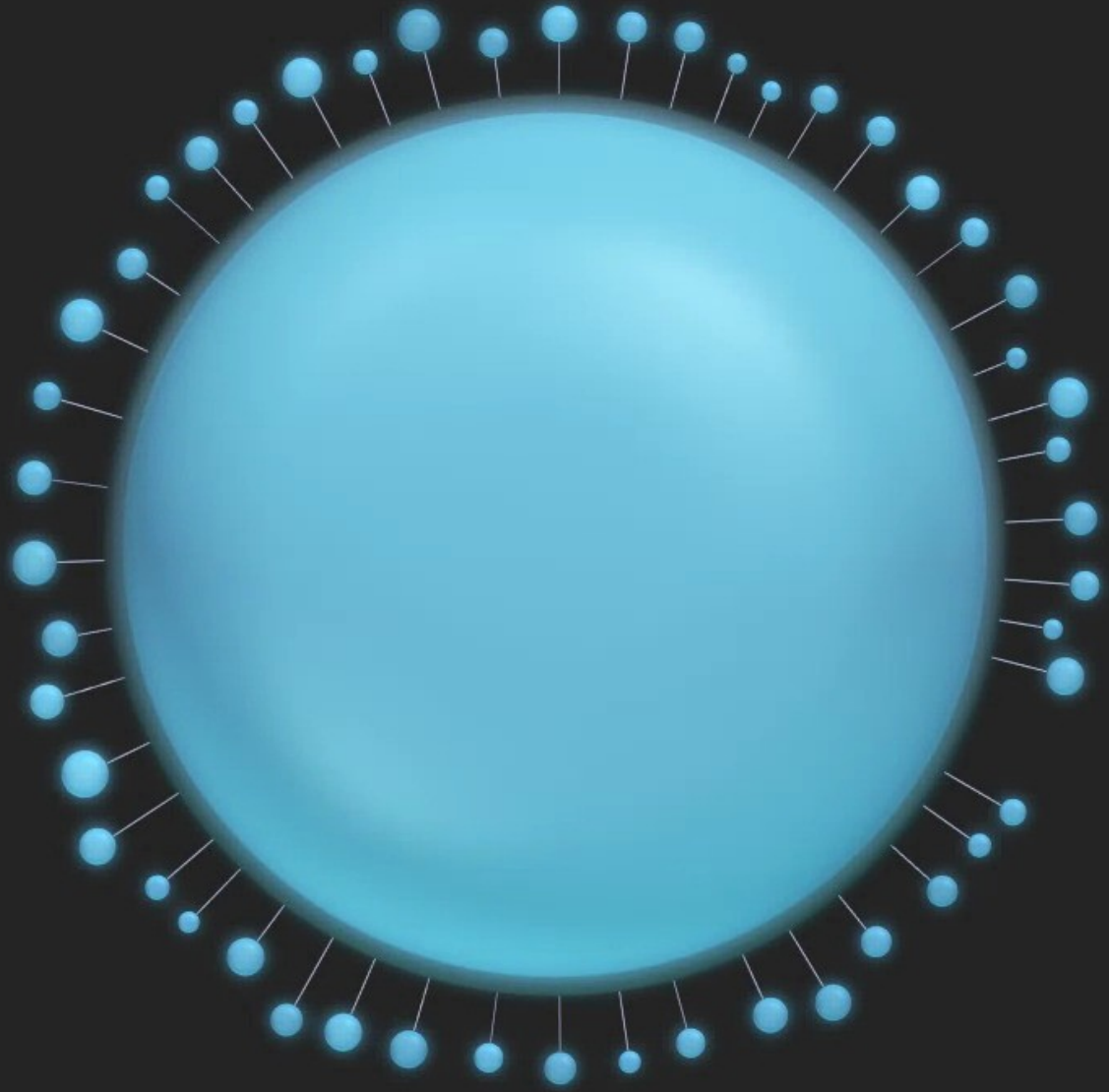
- **GNU** project**, AGPL** licensed
- **Python 3** support
- **Django-like** stack, PostgreSQL, SQL Alchemy, Celery
- **Gstreamer 1.0** audio/video transcoding
- **Plugins** for your own auth, media types etc.
- **ActivityStreams** API (Pump.io compatible)

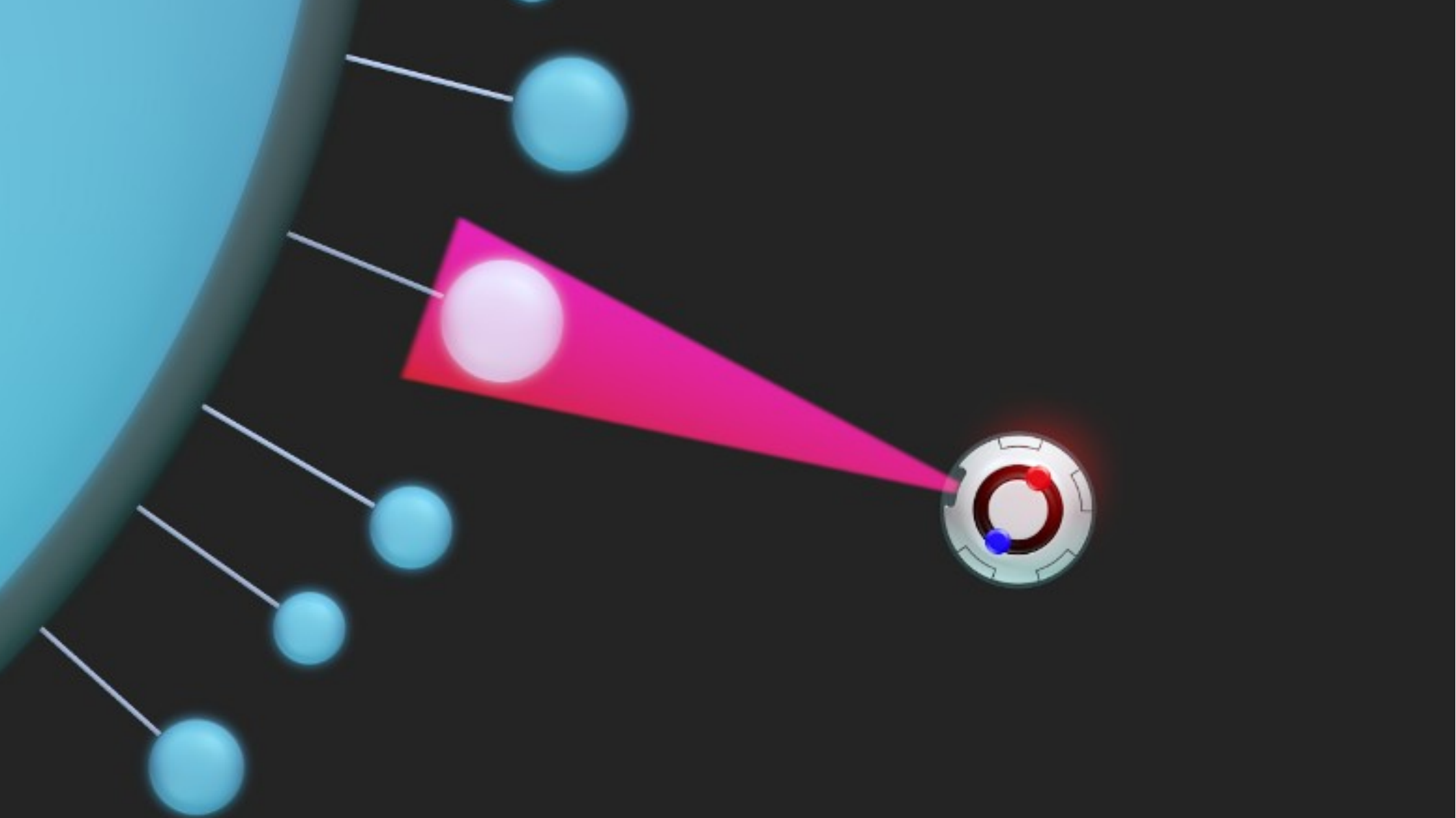
JSON ActivityStreams 1.0 (client to server)

```
{
  "verb": "post",
  "objectType": "activity",
  "object": {
    "id": "https://goblin.com/api/image/1",
    "objectType": "image",
  },
  "to": [
    {
      "id": "https://goblin.com/api/user/cwebber/followers",
      "objectType": "collection"
    }
  ]
}
```

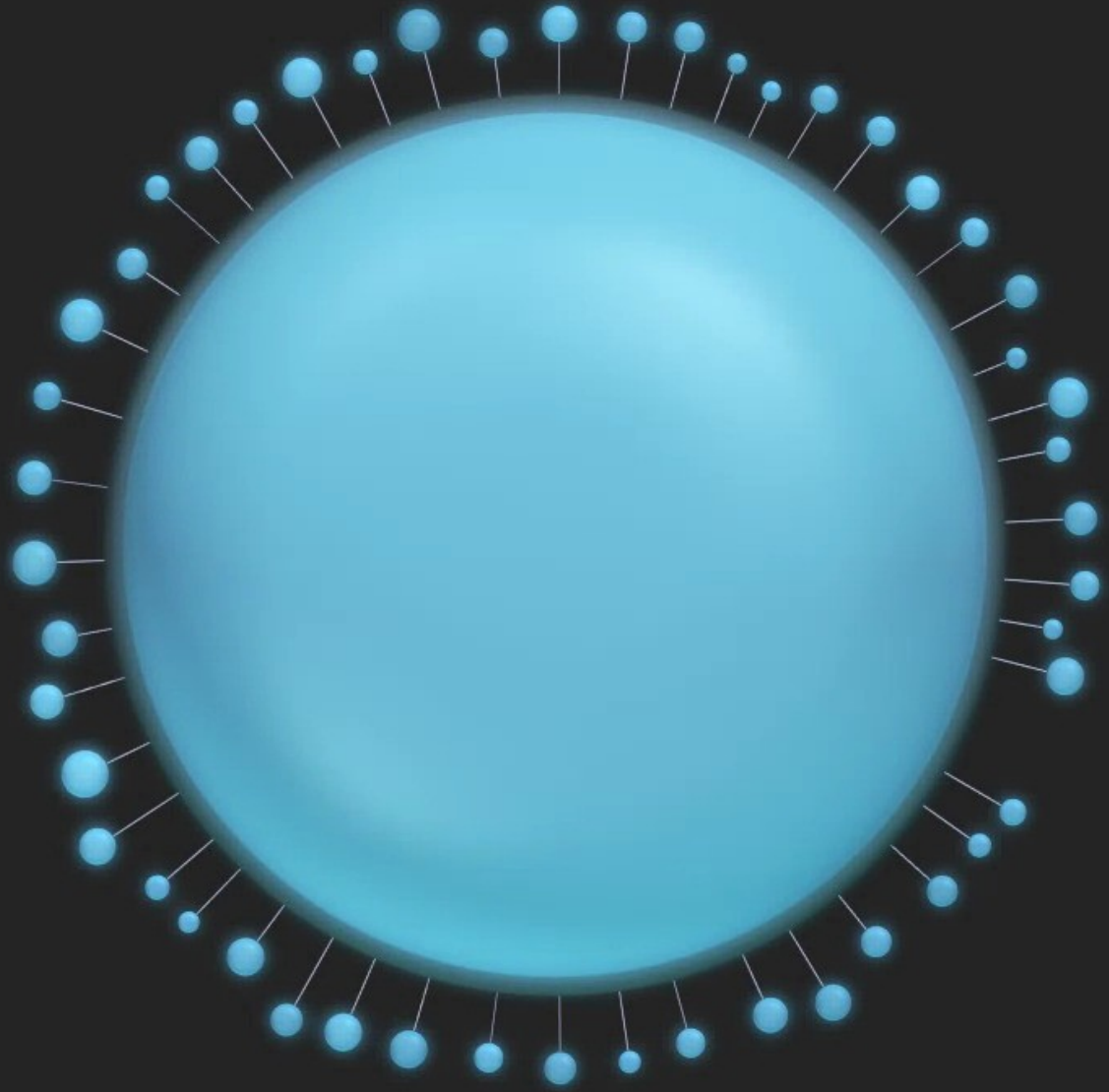
Command-line upload

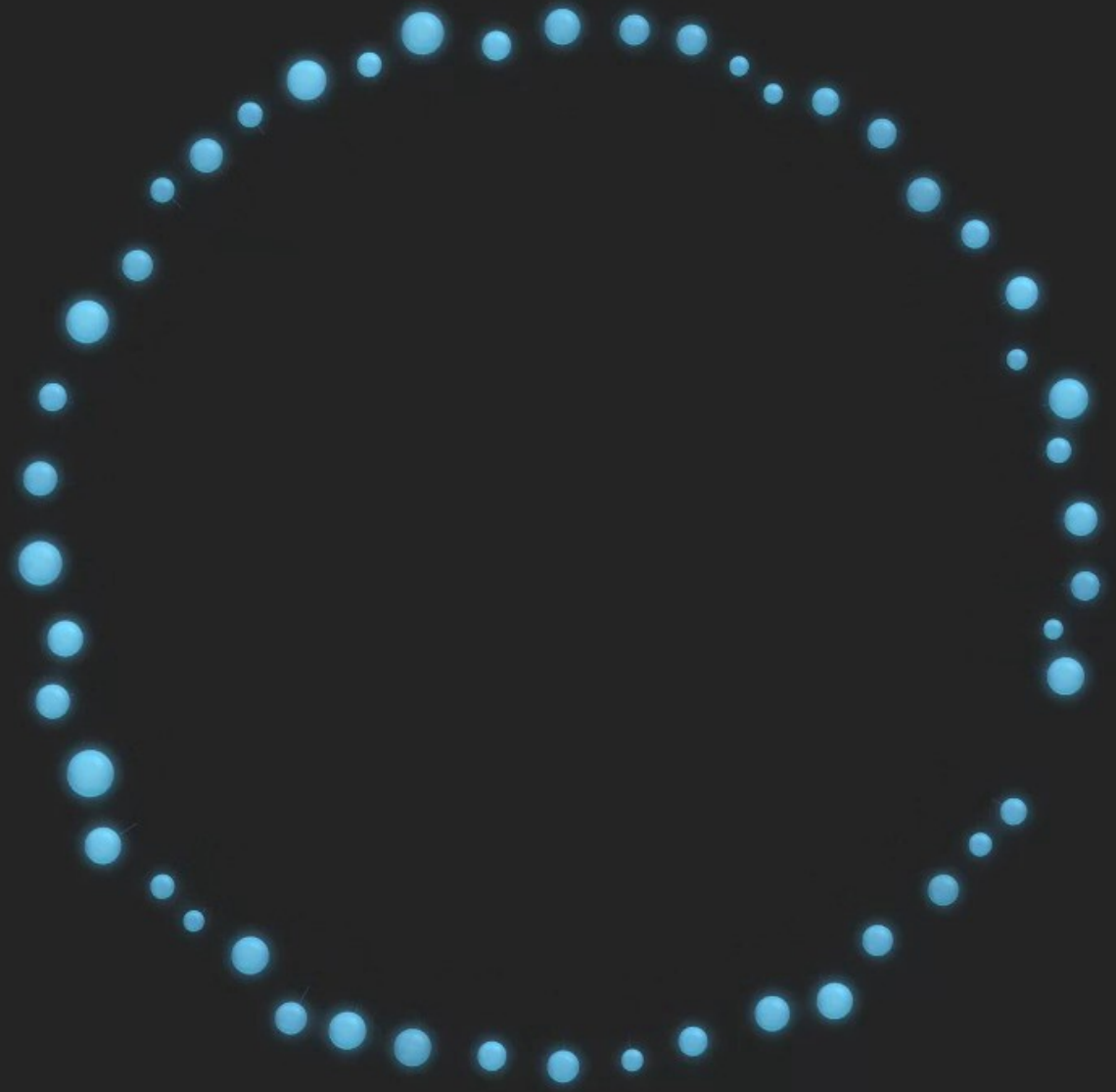
```
$ ./bin/gmg addmedia ben frog.jpg

$ ./bin/gmg addmedia ben frog.jpg \
    --title "Pobblebonk (Banjo) Frog" \
    --description "This frog was living in my garden." \
    --license "http://creativecommons.org/licenses/by-sa/3.0/" \
    --tags "frogs, gardening" \
    --slug "pobblebonk"
```

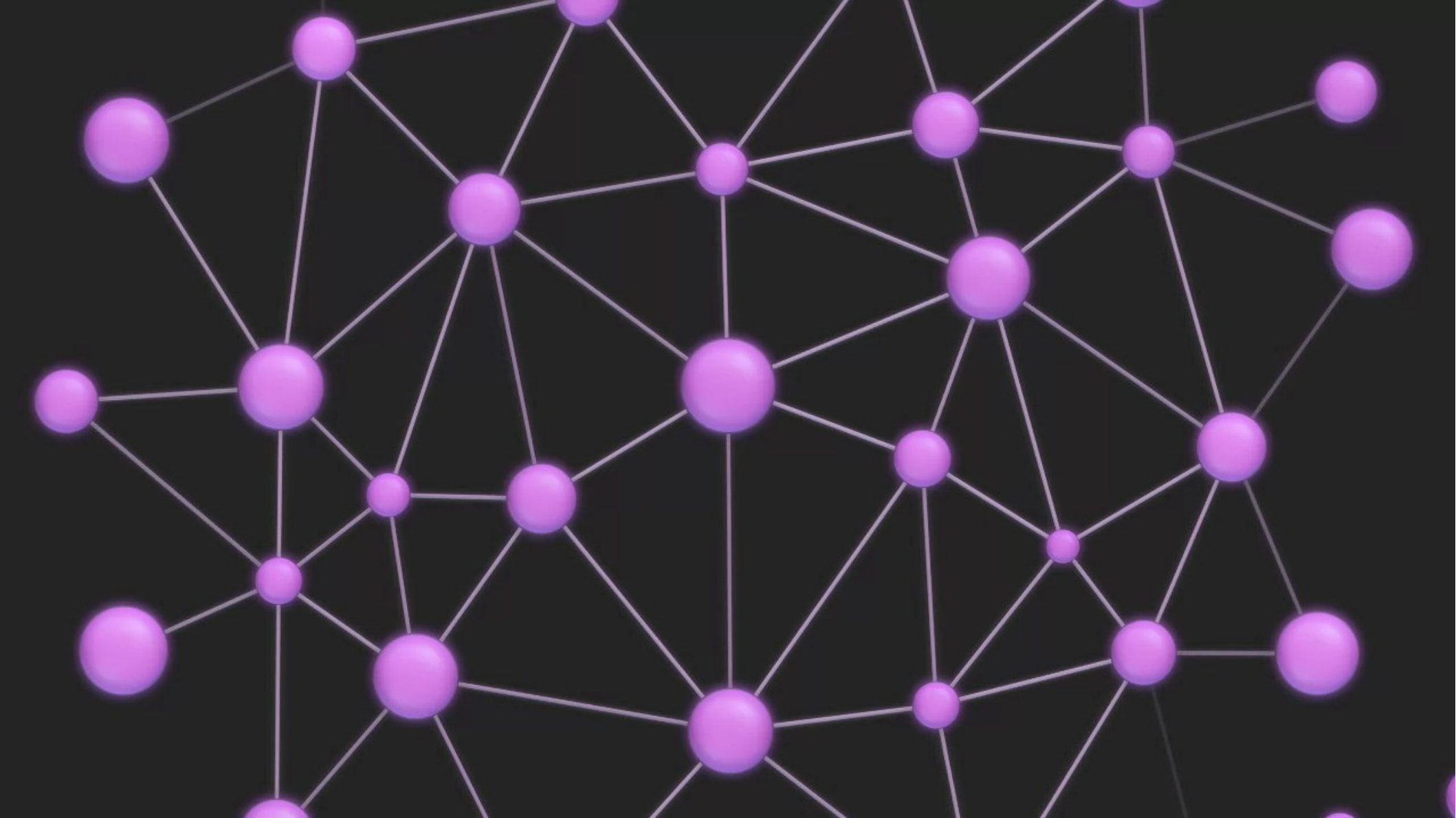




Sintel - Third Open Movie by Blender Foundation





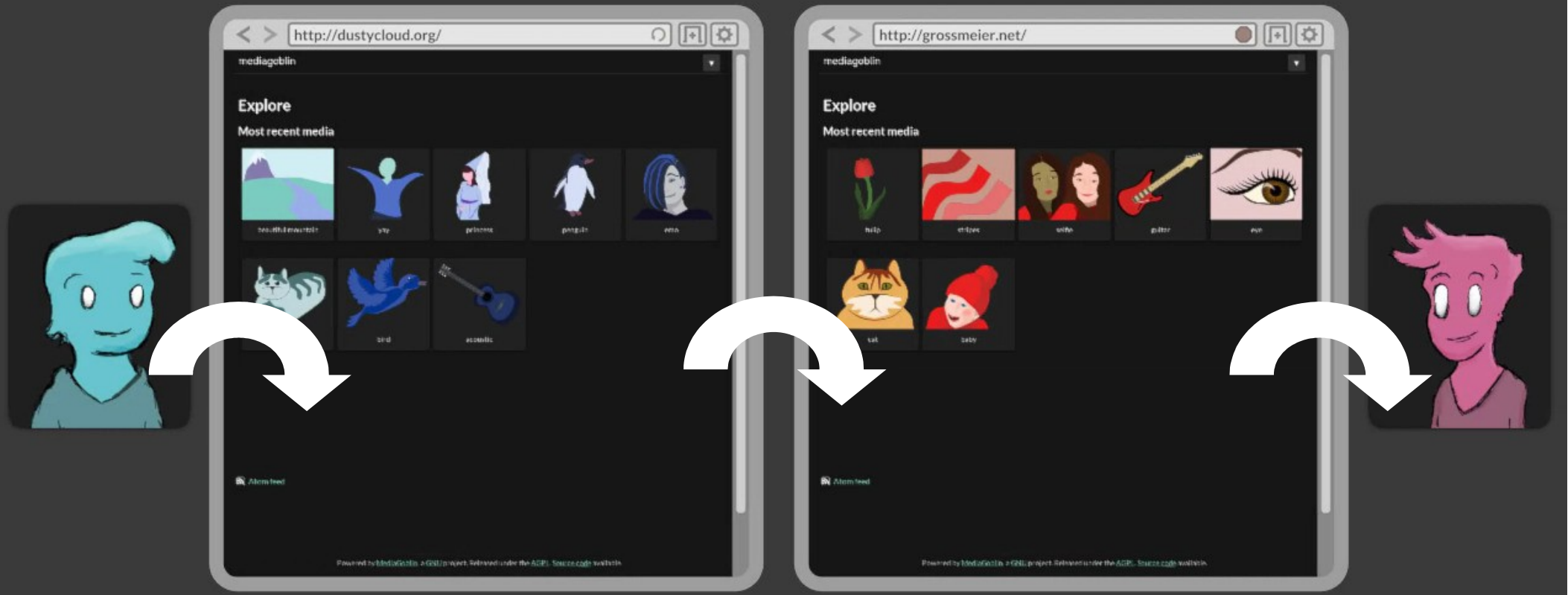


TODO LIST:

1) Federation!

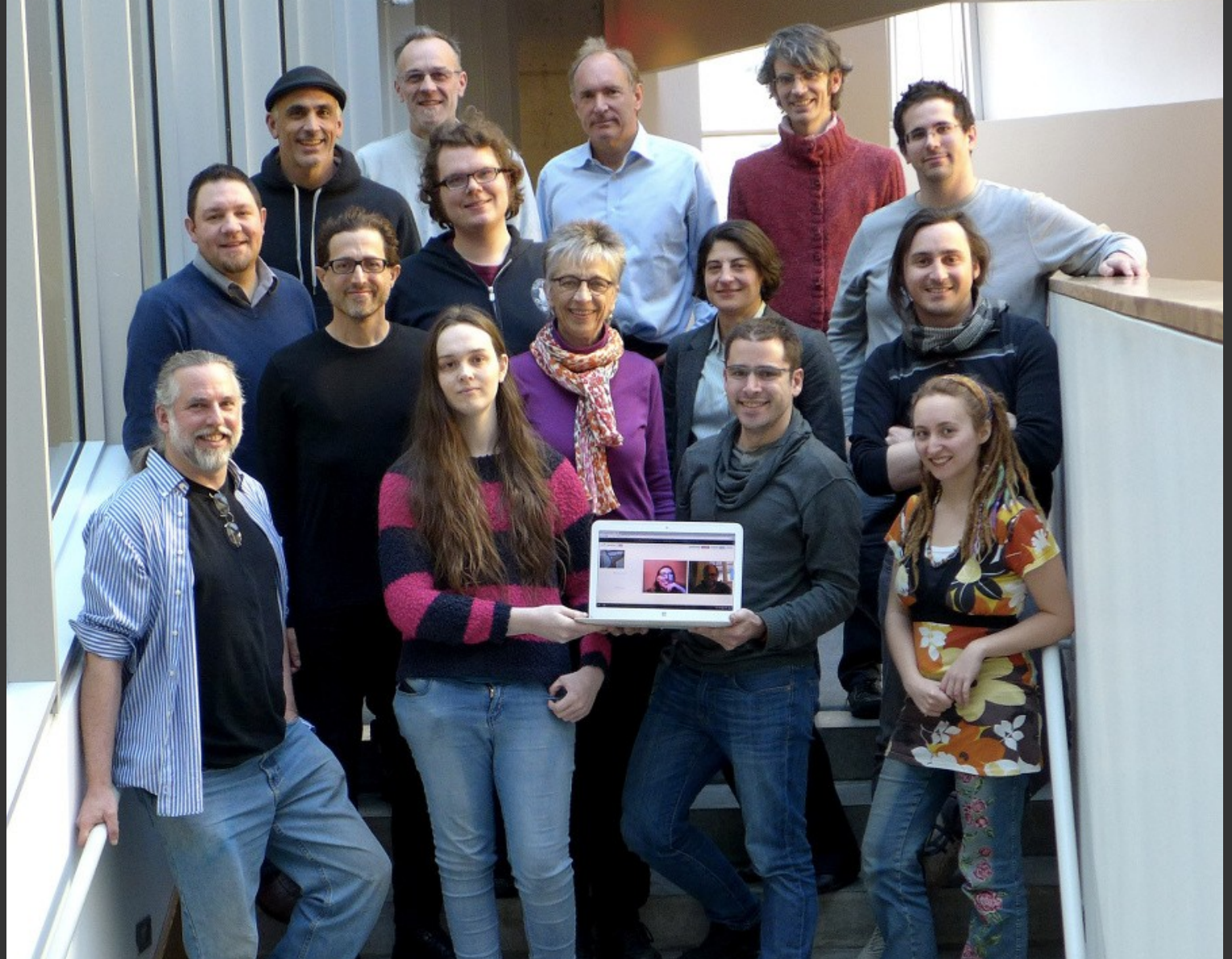
2) Finish 1.0!

3) Privacy features!


http://dustycloud.org/
mediagoblin
Explore
Most recent media
Atom feed
http://grossmeier.net/
mediagoblin
Explore
Most recent media
Atom feed

JSON ActivityStreams 1.0 (server to server)


```
{
  "id": "https://mediagoblin.com/api/activity/1"
  "verb": "post",
  "objectType": "activity",
  "actor": {
    "id": "acct:cwebber@mediagoblin.com",
    "displayName": "Christopher Allan Webber",
    "objectType": "person"
  },
  "object": {
    "id": "https://mediagoblin.com/api/image/1",
    "objectType": "image",
    "url": "https://mediagoblin.com/u/cwebber/m/mediagoblin-shirt-close-up-and-badge/",
    "fullImage": "https://mediagoblin.com/mgoblin_media/media_entries/814/IMG_1011_modified.jpg"
  },
  "to": [
    {
      "id": "https://mediagoblin.com/api/user/cwebber/followers",
      "objectType": "collection"
    }
  ]
}
```



Write a plugin (eg. theme, auth, media, feature)

```
from mediagoblin.media_types import MediaManagerBase

class STLMediaManager(MediaManagerBase):
    human_readable = "stereo lithographics"
    display_template = "mediagoblin/media_displays/stl.html"
    default_thumb = "images/media_thumbs/video.jpg"

Hooks = {...}
```

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Artwork by Chris Webber

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