artivity

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Moritz Eberl

DPASSH 2017

ual: university of the arts london

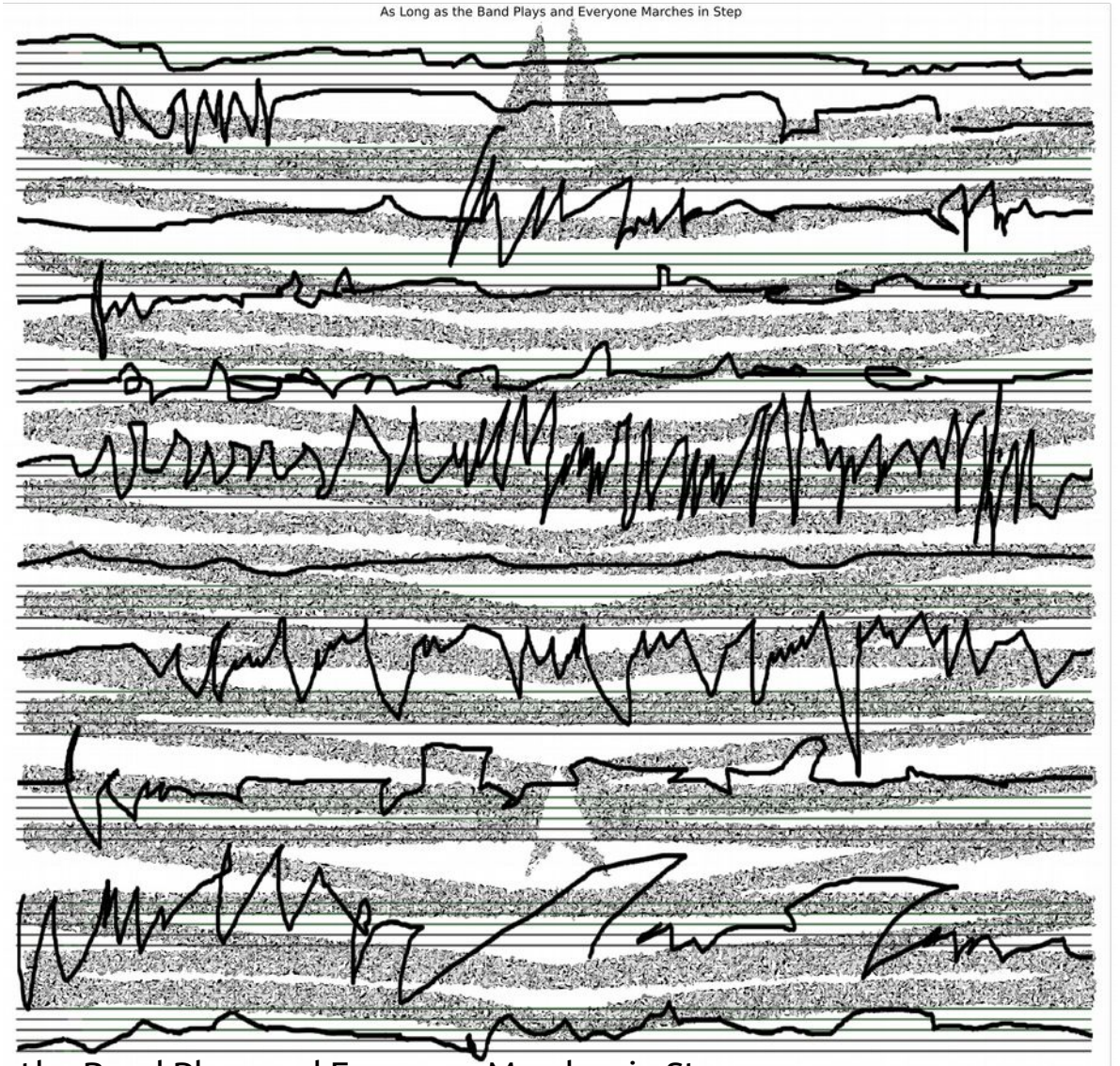
swissdesk

LIGATUS

Jisc

The problem

Art is about the process not about the outcome



Gino Ballantyne: As Long as the Band Plays and Everyone Marches in Step

The solution

- Capture the process

The solution for digital art

- Everything managed on the desktop
  - art/design software
  - stored/modified files
  - online research / communication
- Capture
  - technique
  - method / research
  - output

The solution for digital art

- Everything managed on the desktop
  - art/design software
  - stored/modified files
  - online research / communication
- Capture
  - technique
  - method / research
  - output
- Automate it!

Project objectives
Project summary
Partners
Publications
Deliverables
Open source development
What others say
Poster
Flyer
Contact

Nepomuk development site
SemanticDesktop.org
Nepomuk-KDE

NEPOMUK - The Social Semantic Desktop - FP6-027705

Networked Environment for Personalized, Ontology-based Management of Unified Knowledge

NEPOMUK brings together researchers, industrial software developers, and representative industrial users, to develop a comprehensive solution for extending the personal desktop into a collaboration environment which supports both the personal information management and the sharing and exchange across social and organizational relations.

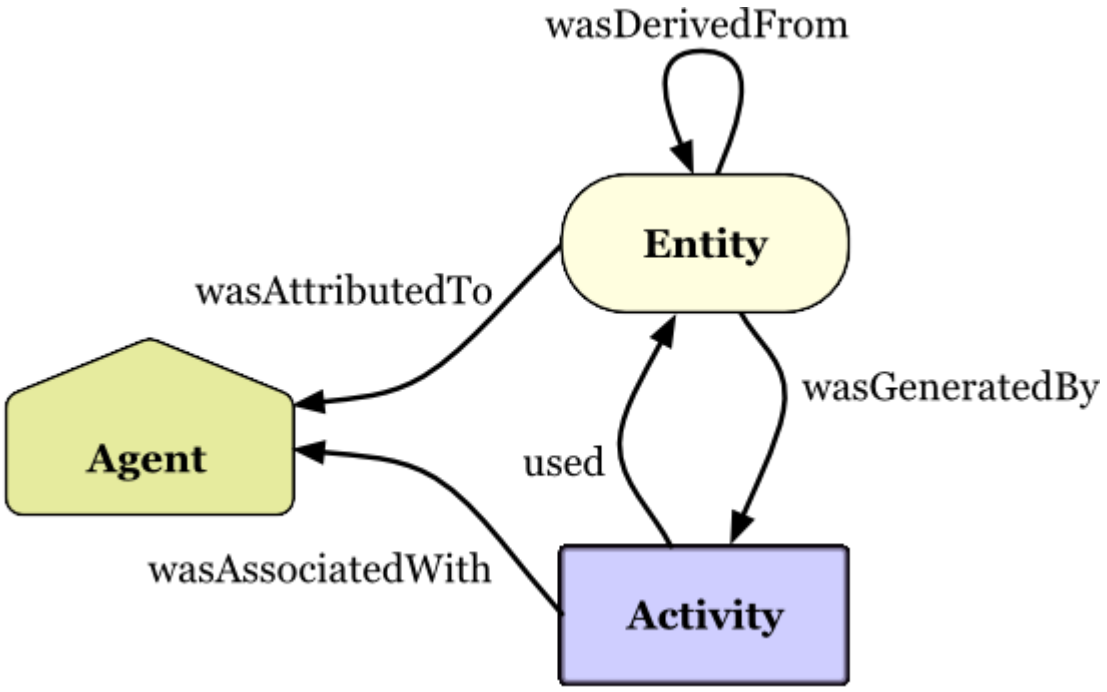
The Social Semantic Desktop

NEPOMUK

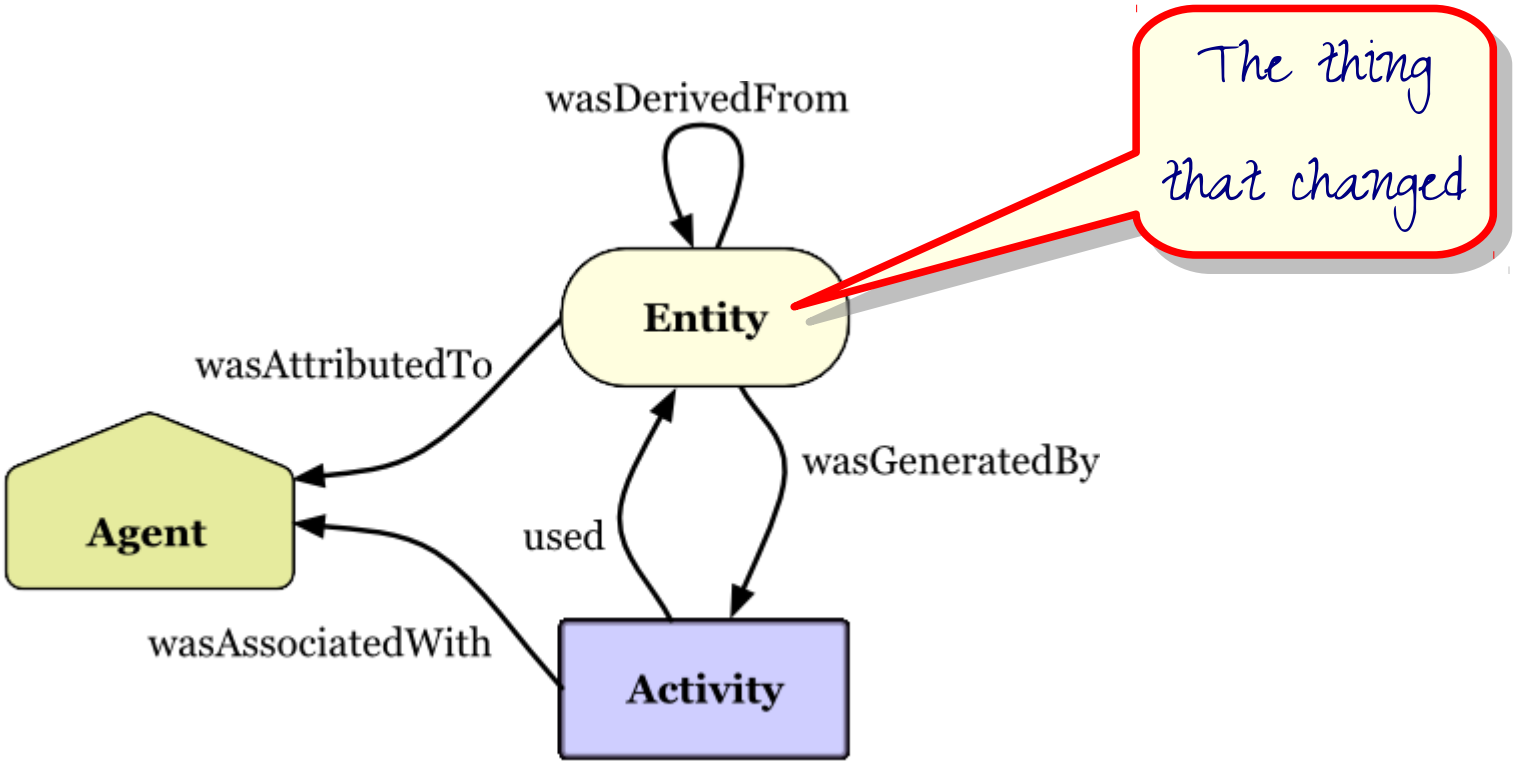
Contact Information	
Name of coordinating person	Dr. Ansgar Bernardi
Coordinating Organization	DFKI GmbH - Knowledge Management Department
Email	mailto:info@nepomuk.semanticdesktop.org
Fax	+49 631 20575 102

Knowledge Management @ DFKI

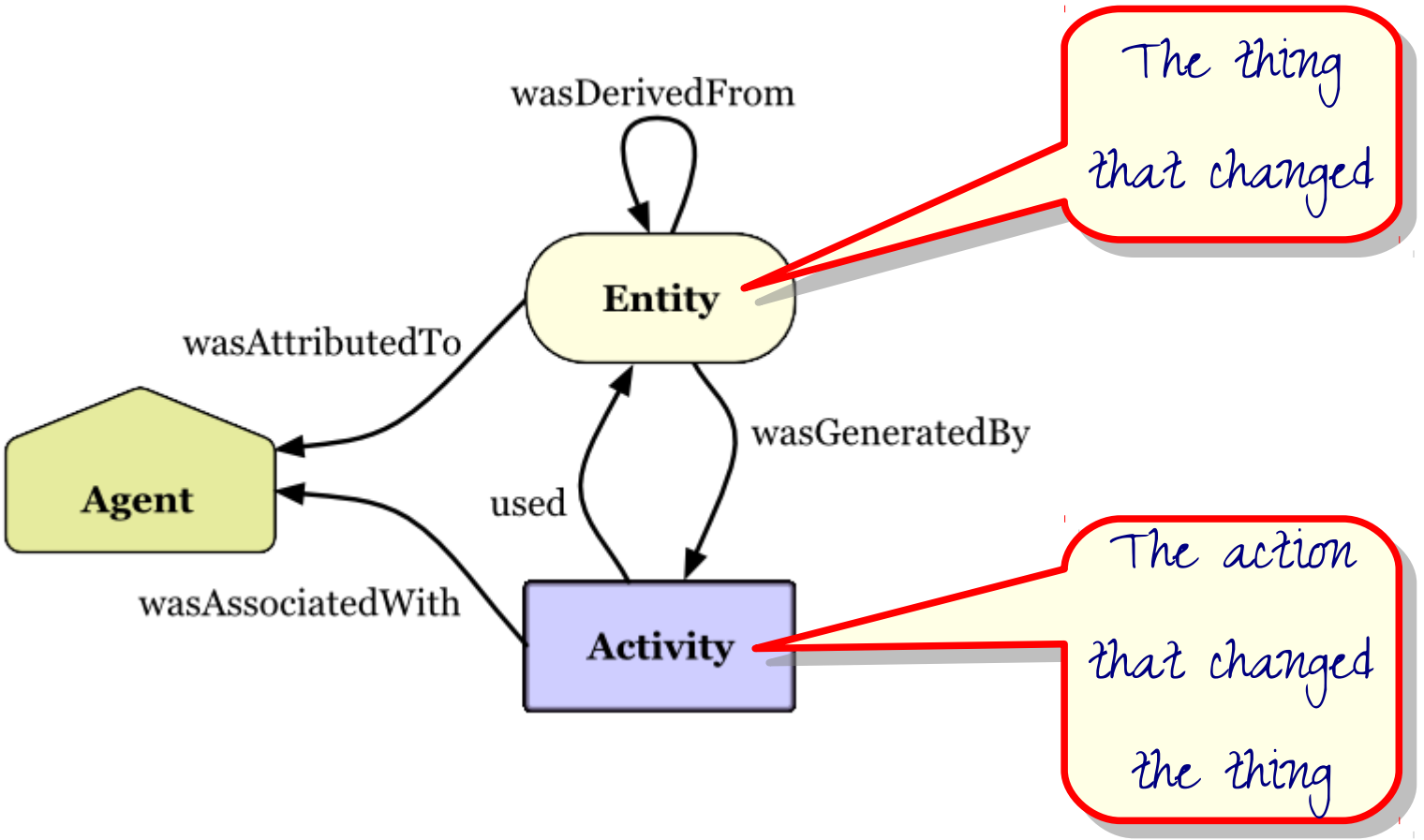
W3C PROV ontology



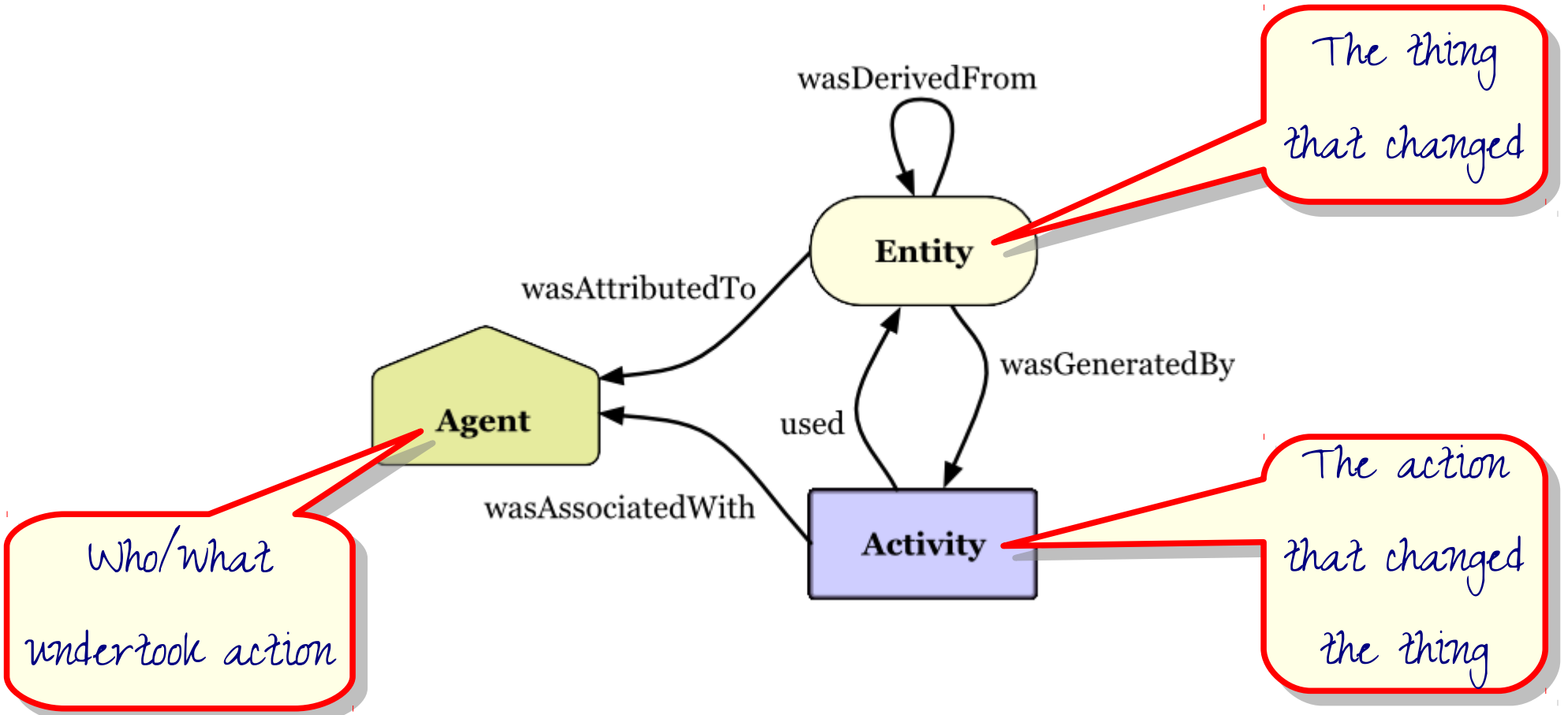
W3C PROV ontology

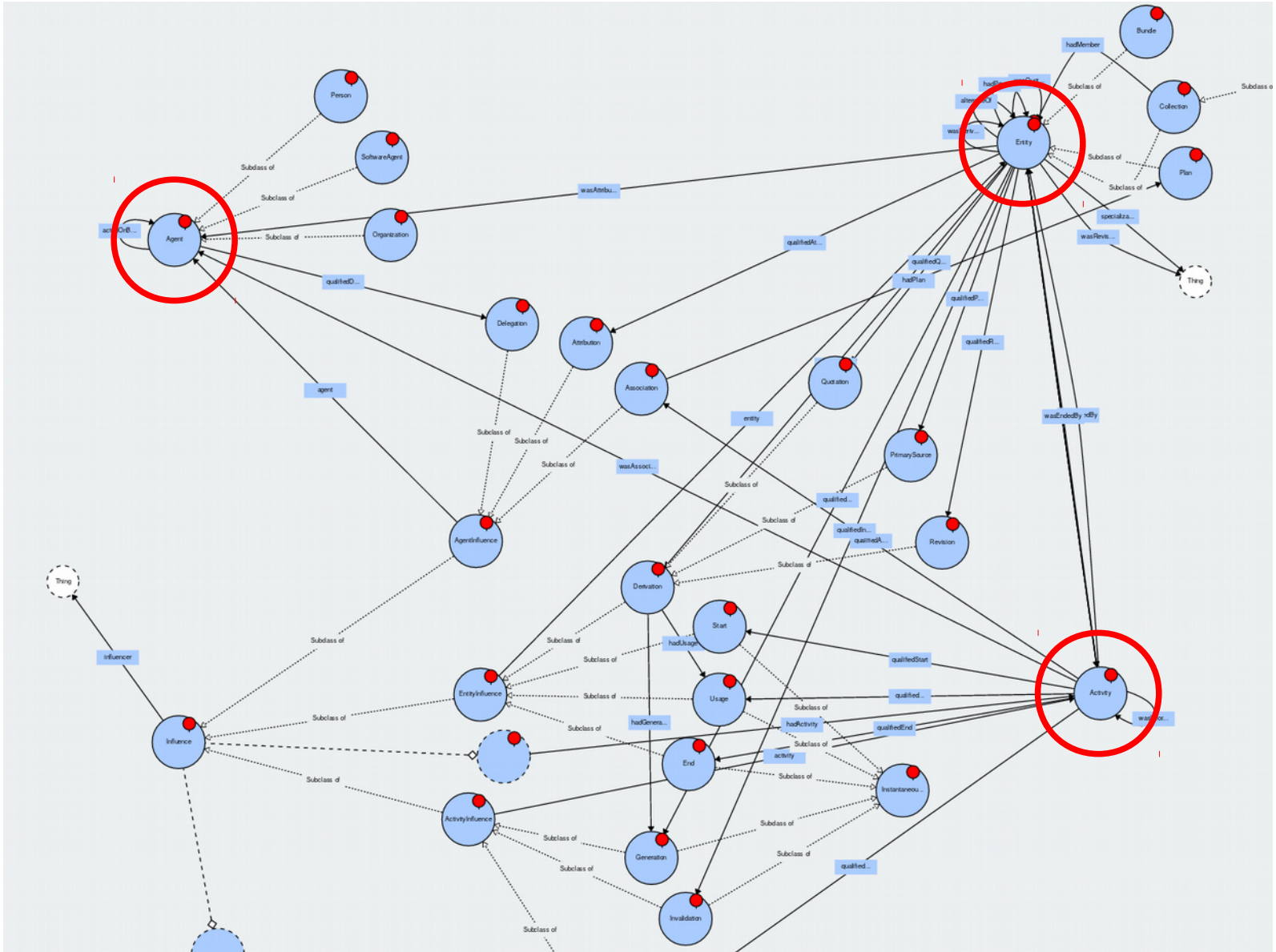


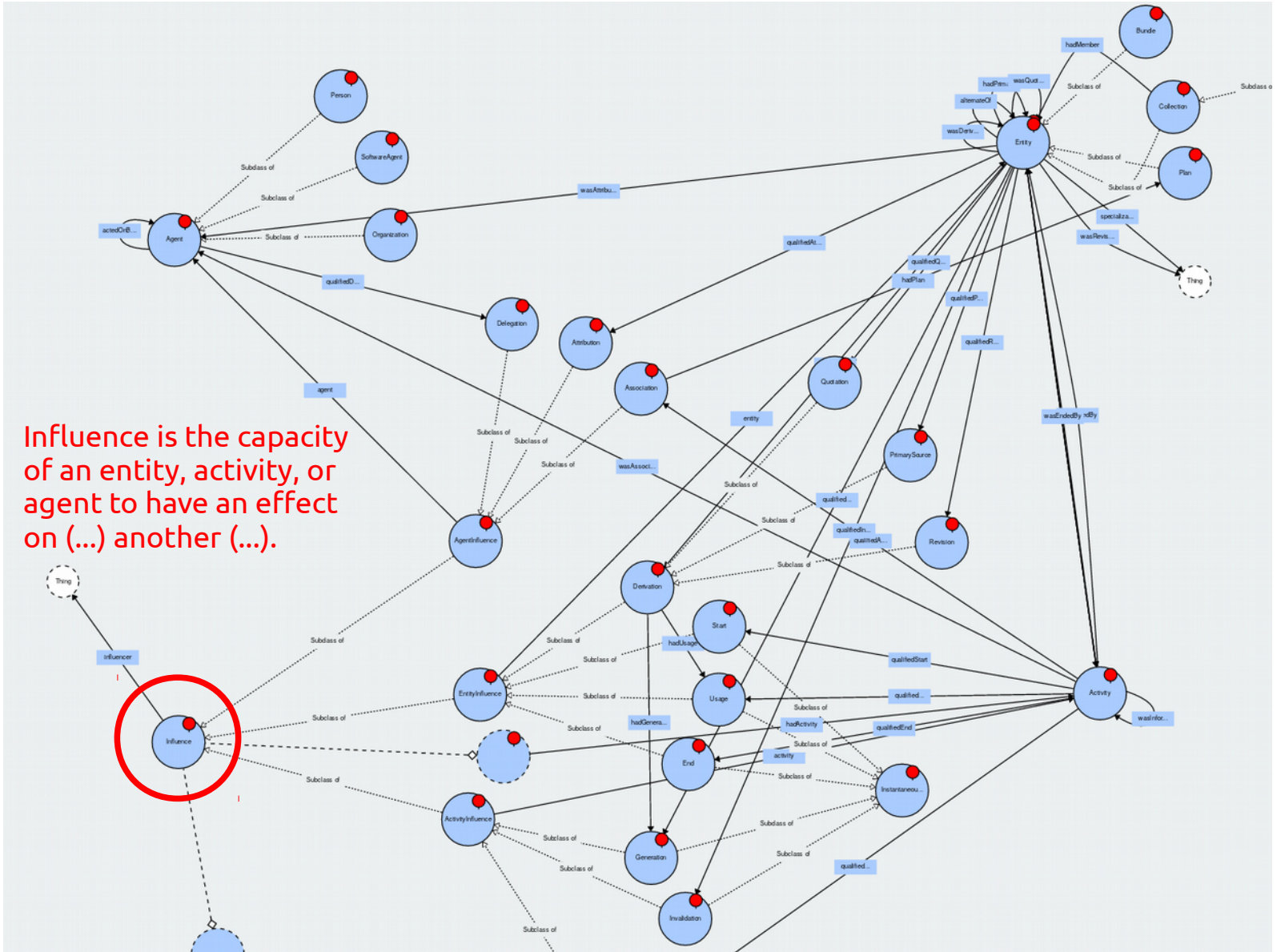
W3C PROV ontology

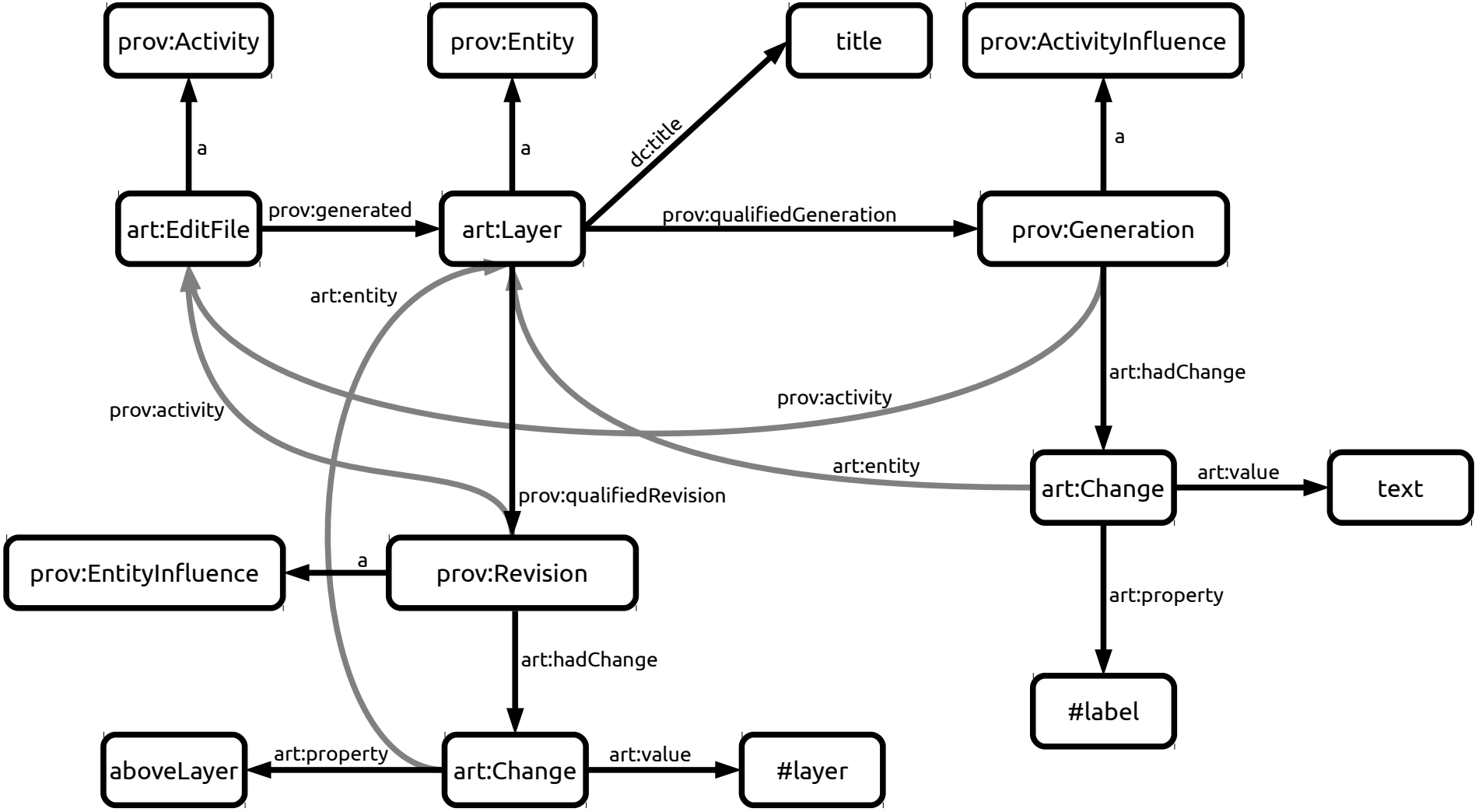


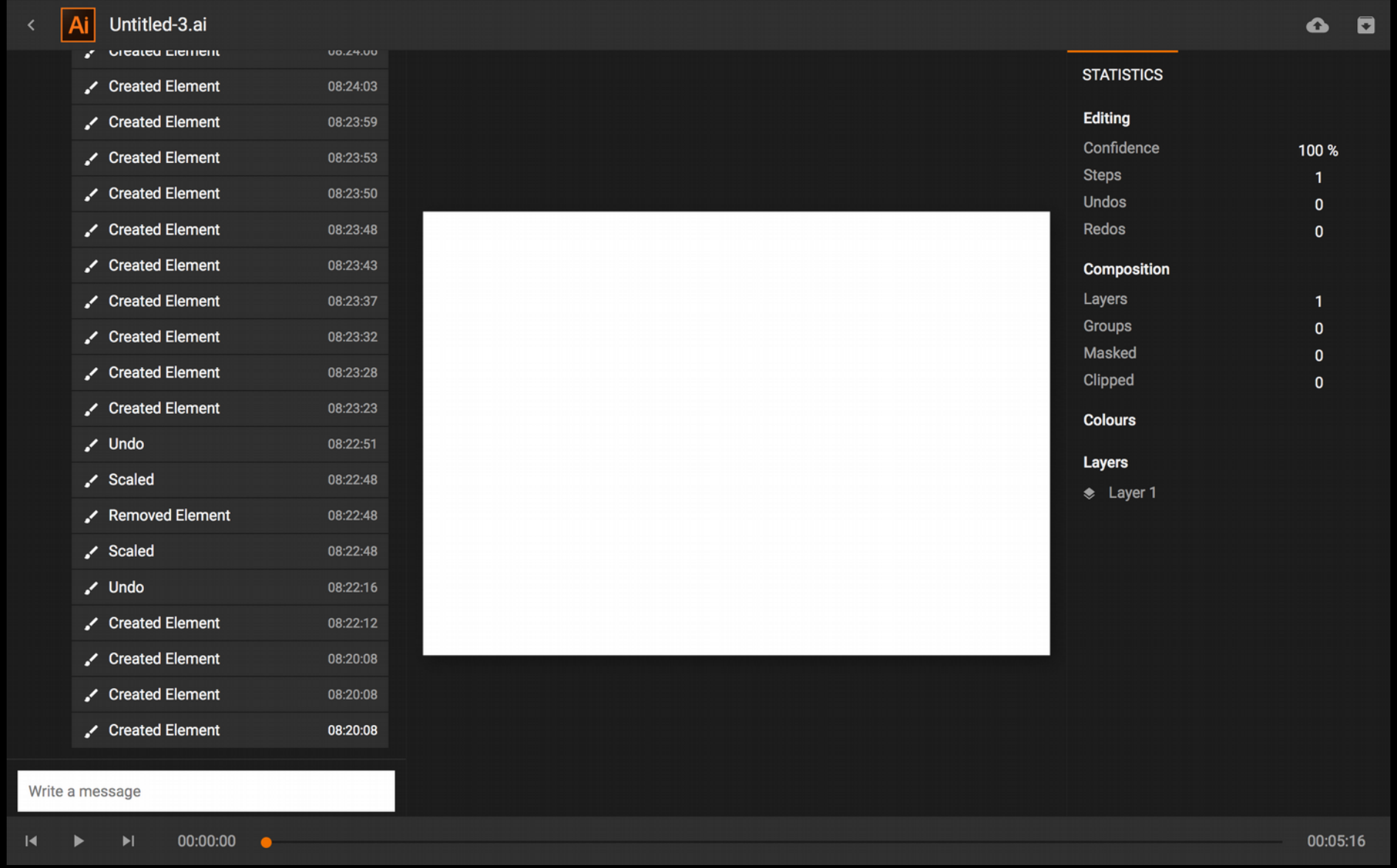
W3C PROV ontology




Bundle
hadMember
Subclass of
Collection
Entity
Plan
Person
SoftwareAgent
Agent
Organization
wasAttribu...
specializa...
wasRevis...
Thing
qualifiedAt...
qualifiedD...
Delegation
Attribution
hadPlan
qualifiedP...
qualifiedR...
Association
Quotation
PrimarySource
wasEndedBy xdBy
agent
entity
wasAssoct...
AgentInfluence
qualified...
qualifiedIn...
qualifiedA...
Revision
Derivation
Start
hadUsage
qualifiedStart
Activity
Thing
influencer
Influence
EntityInfluence
Usage
qualifiedEnd
hadGenera...
hadActivity
activity
End
Instantaneou...
ActivityInfluence
Generation
Invalidation
Subclass of


Influence is the capacity of an entity, activity, or agent to have an effect on (...) another (...).
Bundle
hadMember
Collection
Entity
Plan
Person
SoftwareAgent
Organization
Agent
Delegation
Attribution
Association
Quotation
PrimarySource
Revision
AgentInfluence
Derivation
Start
Usage
End
Generation
Invalidation
Activity
Instantaneou...
EntityInfluence
ActivityInfluence
Influence
Thing
influencer
Subclass of
wasAttribu...
qualifiedAt...
qualifiedD...
agent
entity
wasAssoci...
hadUsage
hadActivity
activity
qualifiedStart
qualifiedEnd
qualified...
qualifiedIn...
qualifiedA...
qualifiedQ...
hadPlan
qualifiedP...
qualifiedR...
wasEndedBy
wasInfor...
specializa...
wasRevis...
hadPrim...
wasQuot...
alternateOf
wasDeriv...
hadGenera...


prov:Activity
prov:Entity
title
prov:ActivityInfluence
a
a
dc:title
a
art:EditFile
prov:generated
art:Layer
prov:qualifiedGeneration
prov:Generation
art:entity
art:hadChange
prov:activity
prov:activity
art:entity
art:Change
art:value
text
prov:qualifiedRevision
prov:EntityInfluence
a
prov:Revision
art:property
art:hadChange
#label
aboveLayer
art:property
art:Change
art:value
#layer


Untitled-3.ai
Created Element 08:24:03
Created Element 08:23:59
Created Element 08:23:53
Created Element 08:23:50
Created Element 08:23:48
Created Element 08:23:43
Created Element 08:23:37
Created Element 08:23:32
Created Element 08:23:28
Created Element 08:23:23
Undo 08:22:51
Scaled 08:22:48
Removed Element 08:22:48
Scaled 08:22:48
Undo 08:22:16
Created Element 08:22:12
Created Element 08:20:08
Created Element 08:20:08
Created Element 08:20:08
Write a message
STATISTICS
Editing
Confidence 100 %
Steps 1
Undos 0
Redos 0
Composition
Layers 1
Groups 0
Masked 0
Clipped 0
Colours
Layers
Layer 1
00:00:00
00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
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Created Element	08:23:28
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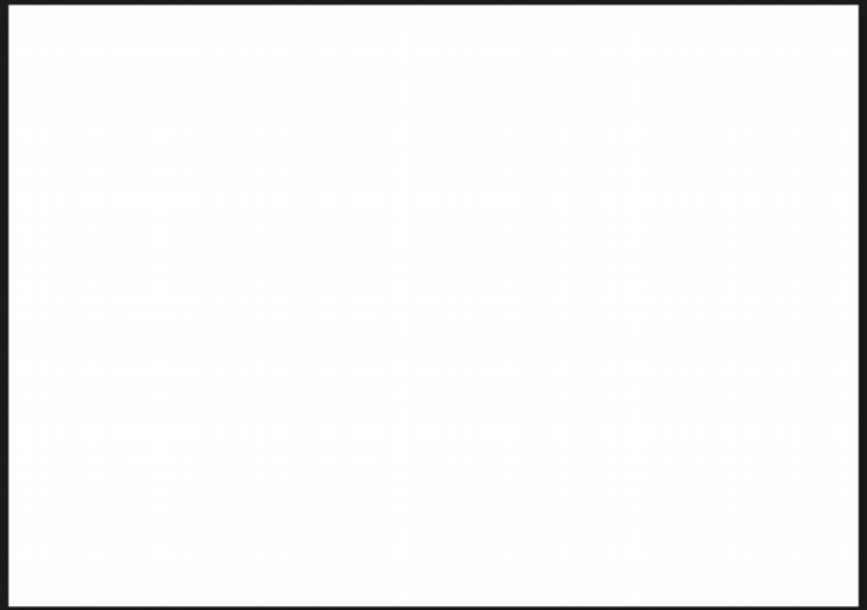
Scaled	08:22:48
Undo	08:22:16
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08

Write a message



STATISTICS

Editing

Confidence	100 %
Steps	2
Undos	0
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:00:00

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
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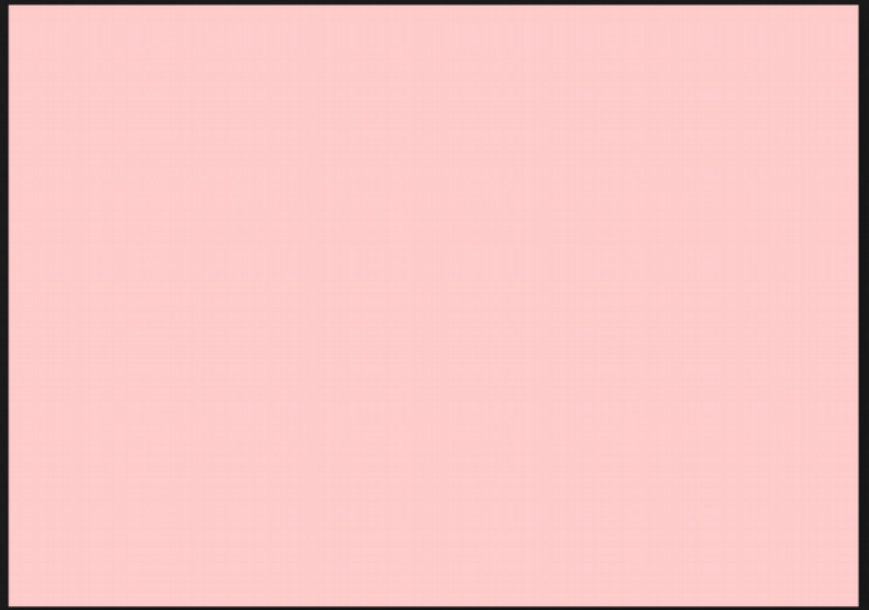
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08



STATISTICS

Editing

Confidence	100 %
Steps	3
Undos	0
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

Write a message

00:00:00

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
Created Element	08:23:32
Created Element	08:23:28
Created Element	08:23:23
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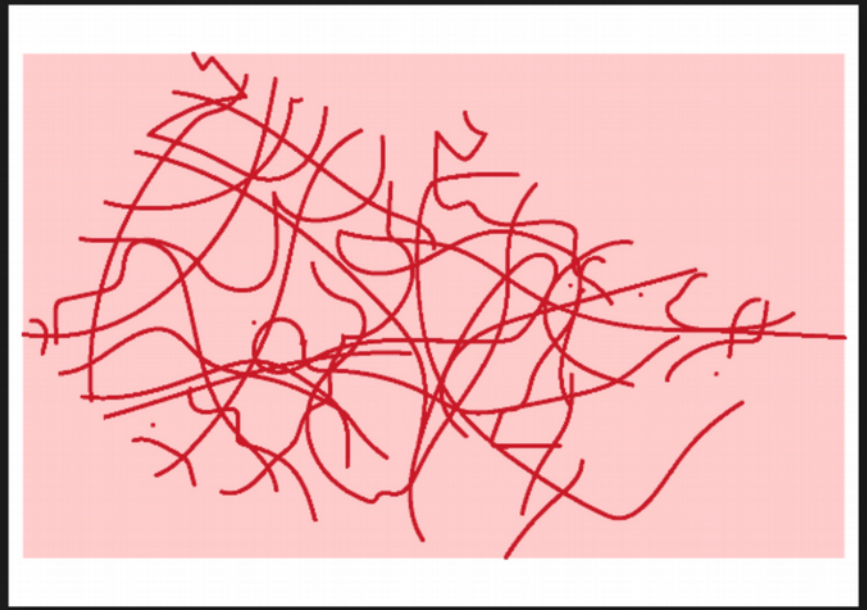
Scaled	08:22:48
Removed Element	08:22:48
Scaled	08:22:48
Undo	08:22:16
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08

Write a message



STATISTICS

Editing

Confidence	100 %
Steps	4
Undos	0
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:02:04

00:05:16

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
Created Element	08:23:32
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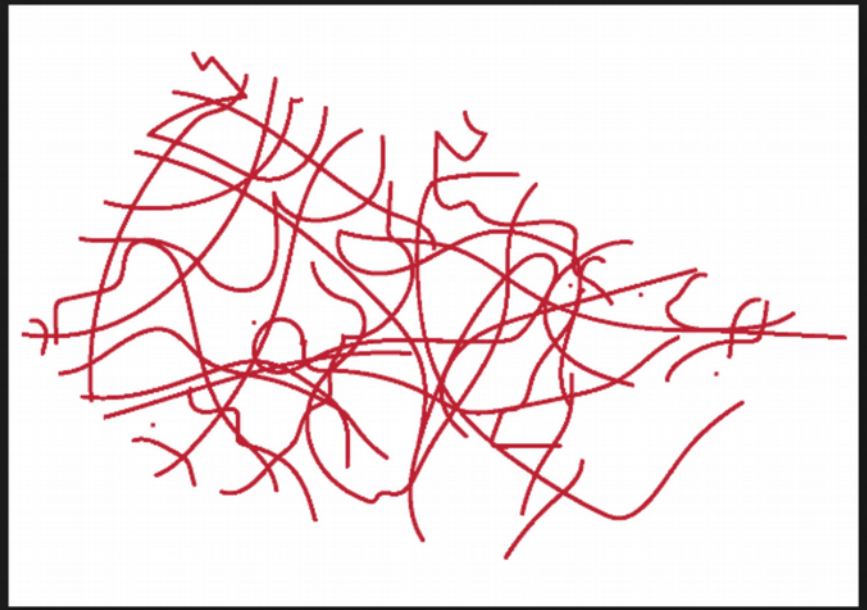
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08



STATISTICS

Editing

Confidence	80 %
Steps	5
Undos	1
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

Write a message

00:02:08

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
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Created Element	08:23:23
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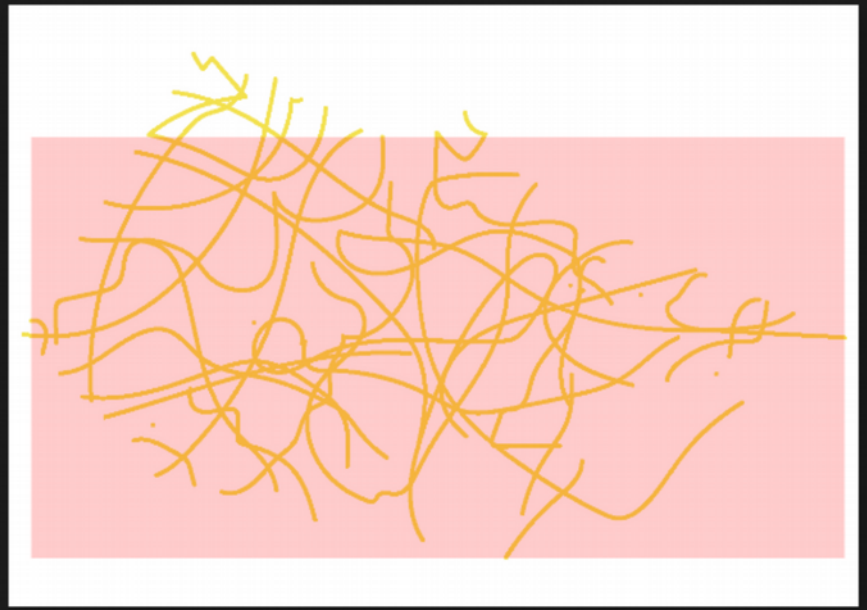
Scaled	08:22:48
Undo	08:22:16
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08

Write a message



STATISTICS

Editing

Confidence	83 %
Steps	6
Undos	1
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:02:40

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
Created Element	08:23:32
Created Element	08:23:28
Created Element	08:23:23
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Scaled	08:22:48
Undo	08:22:16
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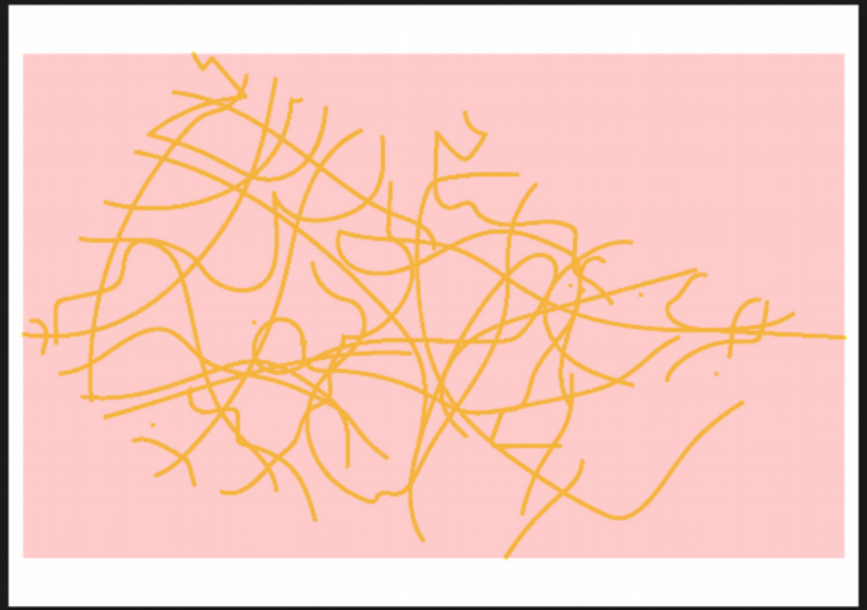
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08

Write a message



STATISTICS

Editing

Confidence	86 %
Steps	7
Undos	1
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:02:40

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
Created Element	08:23:32
Created Element	08:23:28
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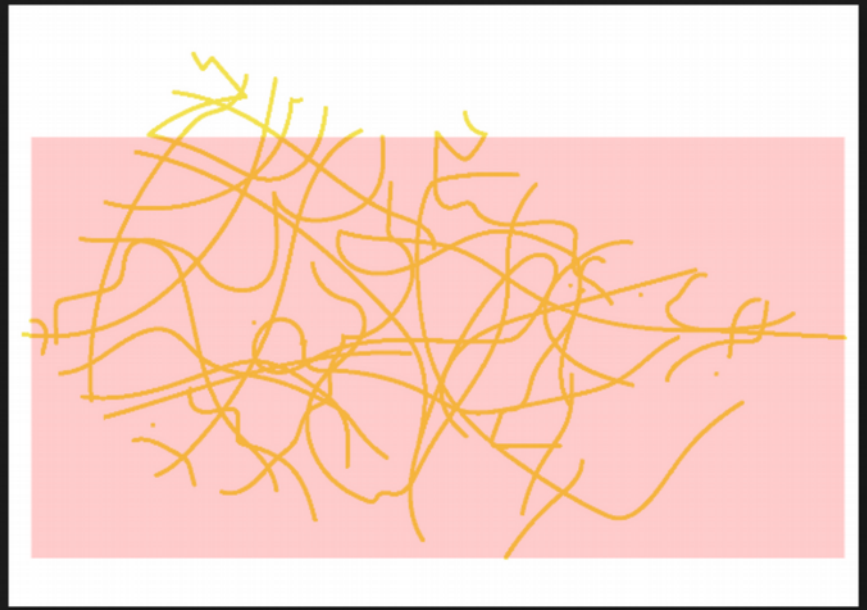
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08



STATISTICS

Editing

Confidence	88 %
Steps	8
Undos	1
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

Write a message

00:02:40

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
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Created Element	08:23:28
Created Element	08:23:23
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Scaled	08:22:48
Removed Element	08:22:48
Scaled	08:22:48
Undo	08:22:16
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08

STATISTICS

Editing

Confidence	78 %
Steps	9
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

Write a message

00:02:43

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
Created Element	08:23:32
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Created Element	08:23:23
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Scaled	08:22:48
Undo	08:22:16
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08

STATISTICS

Editing

Confidence	80 %
Steps	10
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

Write a message

00:03:15

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
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Created Element	08:23:28
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Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
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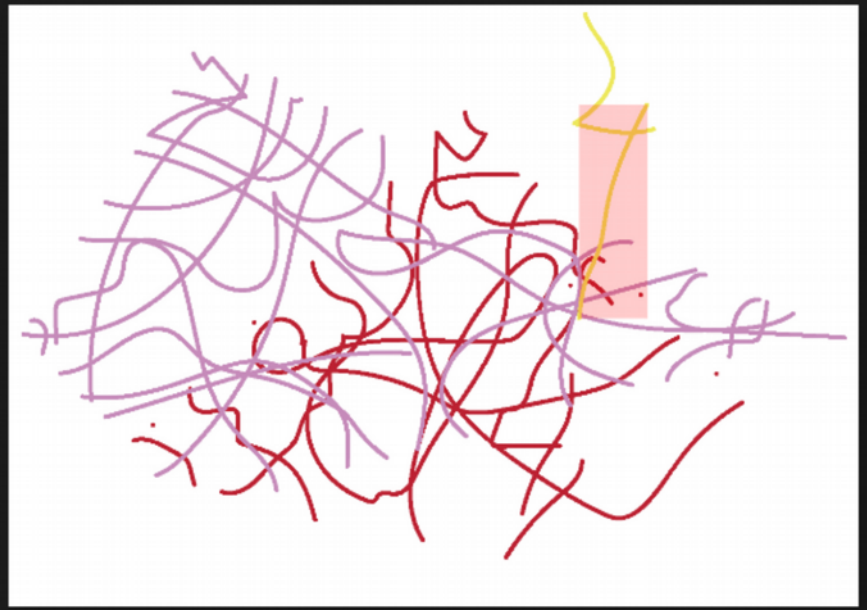

STATISTICS

Editing

Confidence	82 %
Steps	11
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

Write a message

00:03:20

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
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Created Element	08:23:28
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Scaled	08:22:48
Undo	08:22:16
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08

STATISTICS

Editing

Confidence	83 %
Steps	12
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

Write a message

00:03:24

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
Created Element	08:23:32
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Scaled	08:22:48
Undo	08:22:16
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08

STATISTICS

Editing

Confidence	85 %
Steps	13
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

Write a message

00:03:29

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
Created Element	08:23:32
Created Element	08:23:28
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Scaled	08:22:48
Undo	08:22:16
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08

STATISTICS

Editing

Confidence	86 %
Steps	14
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

Write a message

00:03:35

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
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Scaled	08:22:48
Undo	08:22:16
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08

STATISTICS

Editing

Confidence	87 %
Steps	15
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

Write a message

00:03:40

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
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Scaled	08:22:48
Undo	08:22:16
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08

Write a message

STATISTICS

Editing

Confidence	88 %
Steps	16
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:03:42

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
Created Element	08:23:32
Created Element	08:23:28
Created Element	08:23:23
Undo	08:22:51
Scaled	08:22:48
Removed Element	08:22:48
Scaled	08:22:48
Undo	08:22:16
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08

STATISTICS

Editing

Confidence	88 %
Steps	17
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

Write a message

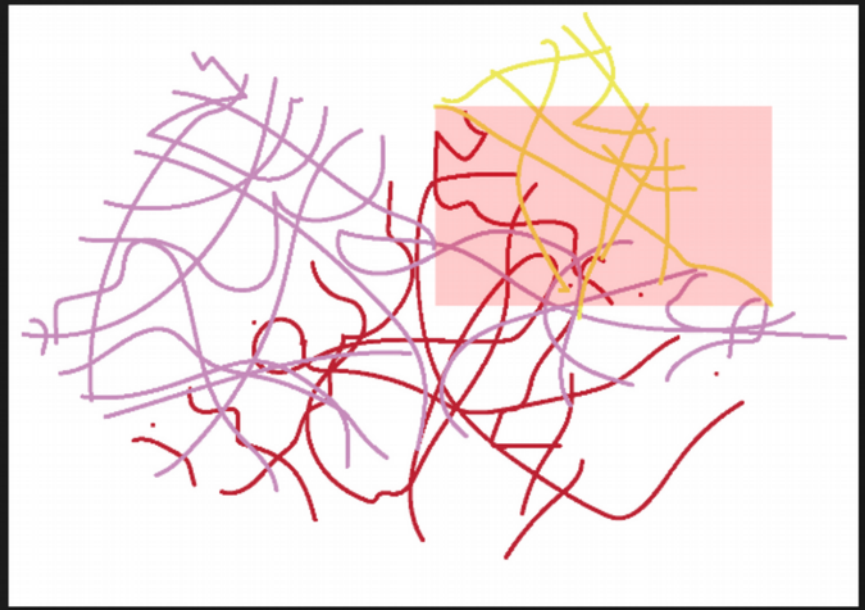
00:03:45

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
Created Element	08:23:32
Created Element	08:23:28
Created Element	08:23:23
Undo	08:22:51
Scaled	08:22:48
Removed Element	08:22:48
Scaled	08:22:48
Undo	08:22:16
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08

Write a message



STATISTICS

Editing

Confidence	89 %
Steps	18
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:03:51

00:05:16

Untitled-3.ai

Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37
Created Element	08:23:32
Created Element	08:23:28
Created Element	08:23:23
Undo	08:22:51
Scaled	08:22:48
Removed Element	08:22:48
Scaled	08:22:48
Undo	08:22:16
Created Element	08:22:12
Created Element	08:20:08
Created Element	08:20:08
Created Element	08:20:08

STATISTICS

Editing

Confidence	89 %
Steps	19
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

Write a message

00:03:55

00:05:16

Untitled-3.ai

Monday, 1st August 2016

Edited File

Saved	08:25:19
Created Element	08:24:49
Created Element	08:24:42
Created Element	08:24:34
Created Element	08:24:30
Created Element	08:24:26
Created Element	08:24:24
Created Element	08:24:19
Created Element	08:24:15
Created Element	08:24:12
Created Element	08:24:06
Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37

Write a message

STATISTICS

Editing

Confidence	90 %
Steps	20
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:03:58

00:05:16

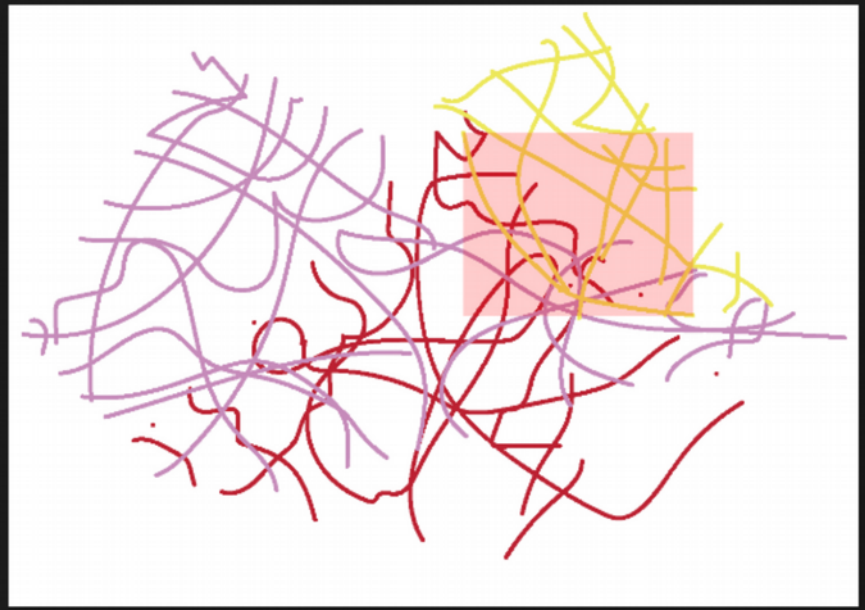
Untitled-3.ai

Monday, 1st August 2016

Edited File

Saved	08:25:19
Created Element	08:24:49
Created Element	08:24:42
Created Element	08:24:34
Created Element	08:24:30
Created Element	08:24:26
Created Element	08:24:24
Created Element	08:24:19
Created Element	08:24:15
Created Element	08:24:12
Created Element	08:24:06
Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37

Write a message



STATISTICS

Editing

Confidence	90 %
Steps	21
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:04:04

00:05:16

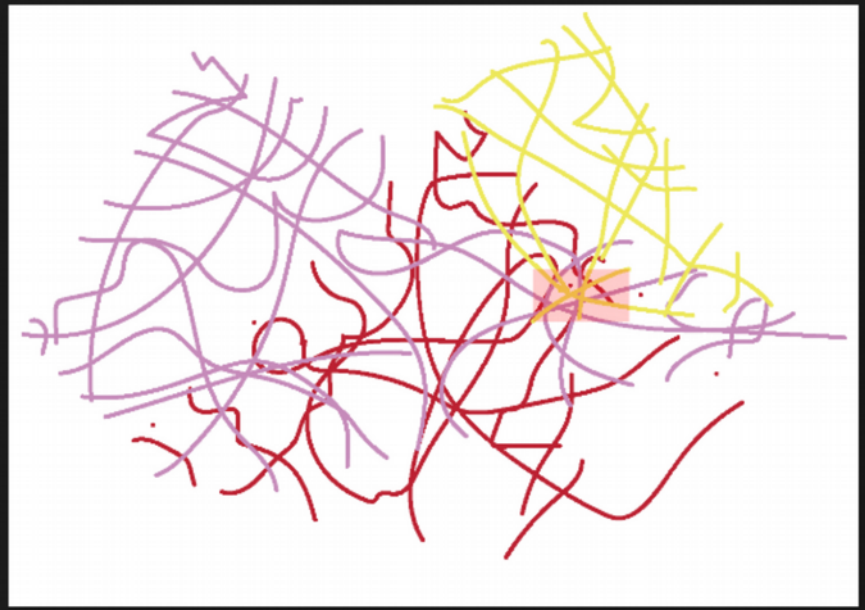
Untitled-3.ai

Monday, 1st August 2016

Edited File

Saved	08:25:19
Created Element	08:24:49
Created Element	08:24:42
Created Element	08:24:34
Created Element	08:24:30
Created Element	08:24:26
Created Element	08:24:24
Created Element	08:24:19
Created Element	08:24:15
Created Element	08:24:12
Created Element	08:24:06
Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37

Write a message



STATISTICS

Editing

Confidence	91 %
Steps	22
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:04:07

00:05:16

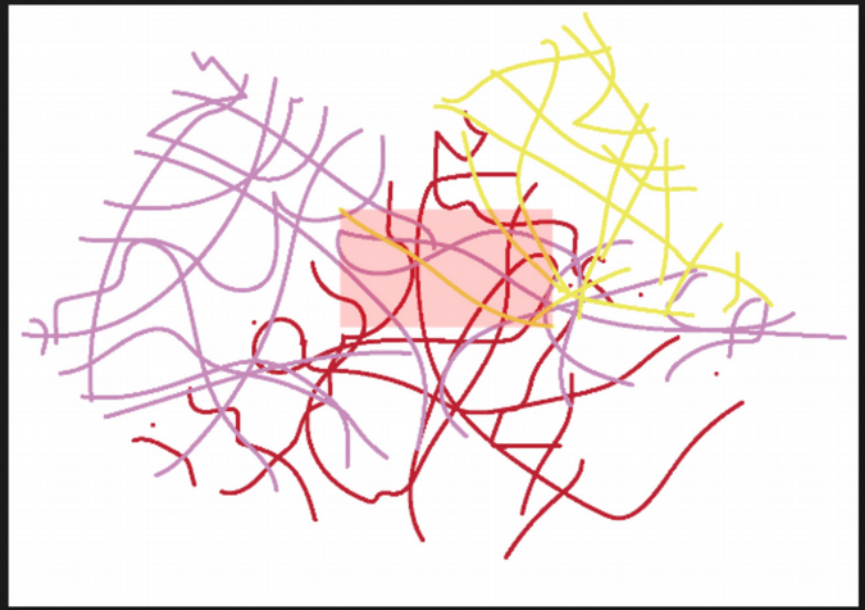
Untitled-3.ai

Monday, 1st August 2016

Edited File

Saved	08:25:19
Created Element	08:24:49
Created Element	08:24:42
Created Element	08:24:34
Created Element	08:24:30
Created Element	08:24:26
Created Element	08:24:24
Created Element	08:24:19
Created Element	08:24:15
Created Element	08:24:12
Created Element	08:24:06
Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37

Write a message



STATISTICS

Editing

Confidence	91 %
Steps	23
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:04:11

00:05:16

Untitled-3.ai

Monday, 1st August 2016

Edited File

Saved	08:25:19
Created Element	08:24:49
Created Element	08:24:42
Created Element	08:24:34
Created Element	08:24:30
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Created Element	08:24:24
Created Element	08:24:19
Created Element	08:24:15
Created Element	08:24:12
Created Element	08:24:06
Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37

Write a message

STATISTICS

Editing

Confidence	92 %
Steps	24
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:04:16

00:05:16

Untitled-3.ai

Monday, 1st August 2016

Edited File

Saved	08:25:19
Created Element	08:24:49
Created Element	08:24:42
Created Element	08:24:34
Created Element	08:24:30
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Created Element	08:24:19
Created Element	08:24:15
Created Element	08:24:12
Created Element	08:24:06
Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37

Write a message

STATISTICS

Editing

Confidence	92 %
Steps	25
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:04:18

00:05:16

Untitled-3.ai

Monday, 1st August 2016

Edited File

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Created Element	08:24:49
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Created Element	08:24:19
Created Element	08:24:15
Created Element	08:24:12
Created Element	08:24:06
Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37

Write a message

STATISTICS

Editing

Confidence	92 %
Steps	26
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:04:22

00:05:16

Untitled-3.ai

Monday, 1st August 2016

Edited File

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Created Element	08:24:49
Created Element	08:24:42
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Created Element	08:24:30
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Created Element	08:24:19
Created Element	08:24:15
Created Element	08:24:12
Created Element	08:24:06
Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37

Write a message

STATISTICS

Editing

Confidence	93 %
Steps	27
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:04:26

00:05:16

Untitled-3.ai

Monday, 1st August 2016

Edited File

Saved	08:25:19
Created Element	08:24:49
Created Element	08:24:42
Created Element	08:24:34
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Created Element	08:24:26
Created Element	08:24:24
Created Element	08:24:19
Created Element	08:24:15
Created Element	08:24:12
Created Element	08:24:06
Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37

Write a message

STATISTICS

Editing

Confidence	93 %
Steps	28
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:04:34

00:05:16

Untitled-3.ai

Monday, 1st August 2016

Edited File

Saved	08:25:19
Created Element	08:24:49
Created Element	08:24:42
Created Element	08:24:34
Created Element	08:24:30
Created Element	08:24:26
Created Element	08:24:24
Created Element	08:24:19
Created Element	08:24:15
Created Element	08:24:12
Created Element	08:24:06
Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37

Write a message

STATISTICS

Editing

Confidence	93 %
Steps	29
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

Colours

Layers

Layer 1

00:04:41

00:05:16

Untitled-3.ai

Monday, 1st August 2016

Edited File

Saved	08:25:19
Created Element	08:24:49
Created Element	08:24:42
Created Element	08:24:34
Created Element	08:24:30
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Created Element	08:24:19
Created Element	08:24:15
Created Element	08:24:12
Created Element	08:24:06
Created Element	08:24:03
Created Element	08:23:59
Created Element	08:23:53
Created Element	08:23:50
Created Element	08:23:48
Created Element	08:23:43
Created Element	08:23:37

Write a message

STATISTICS

Editing

Confidence	93 %
Steps	30
Undos	2
Redos	0

Composition

Layers	1
Groups	0
Masked	0
Clipped	0

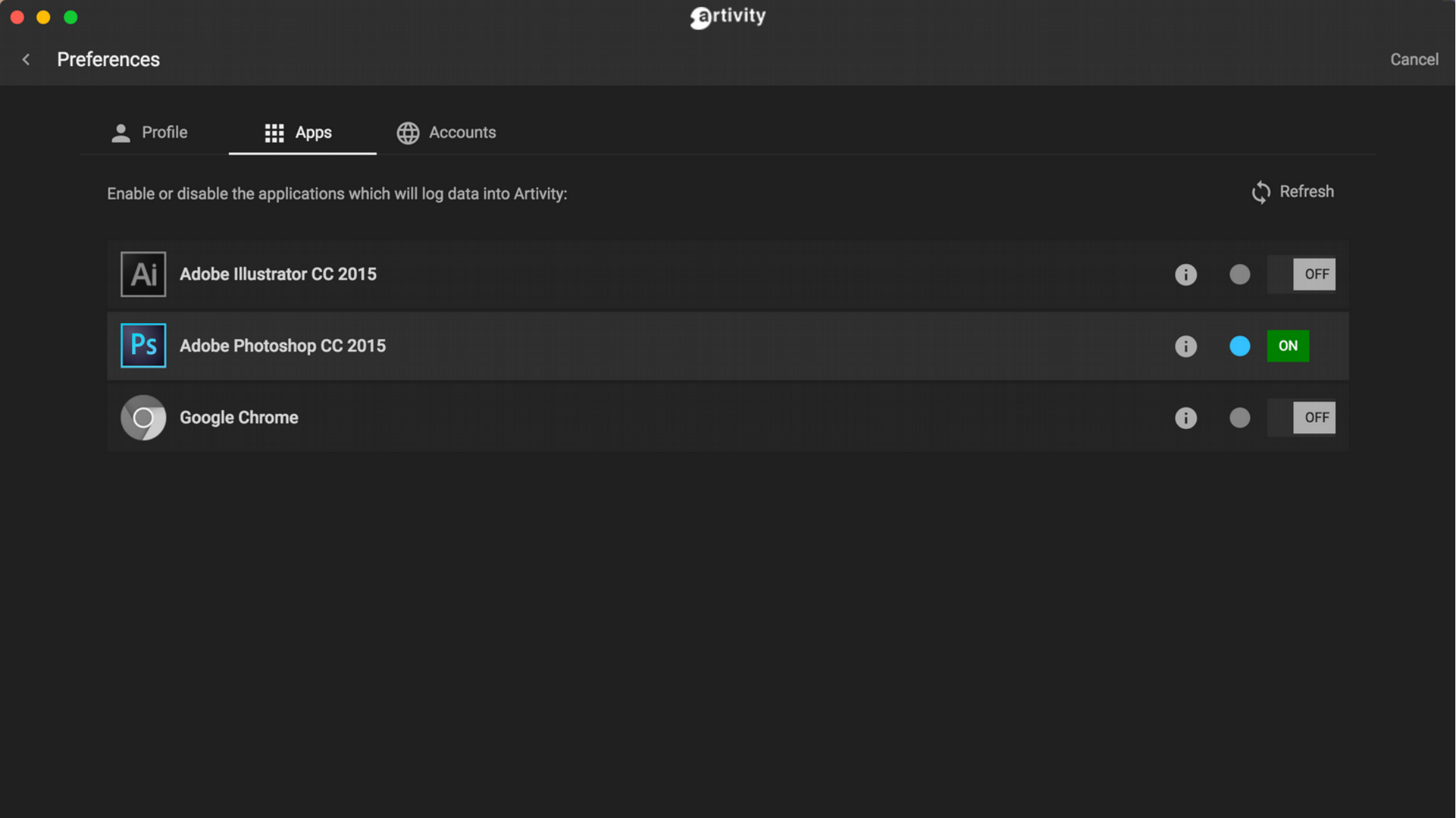
Colours

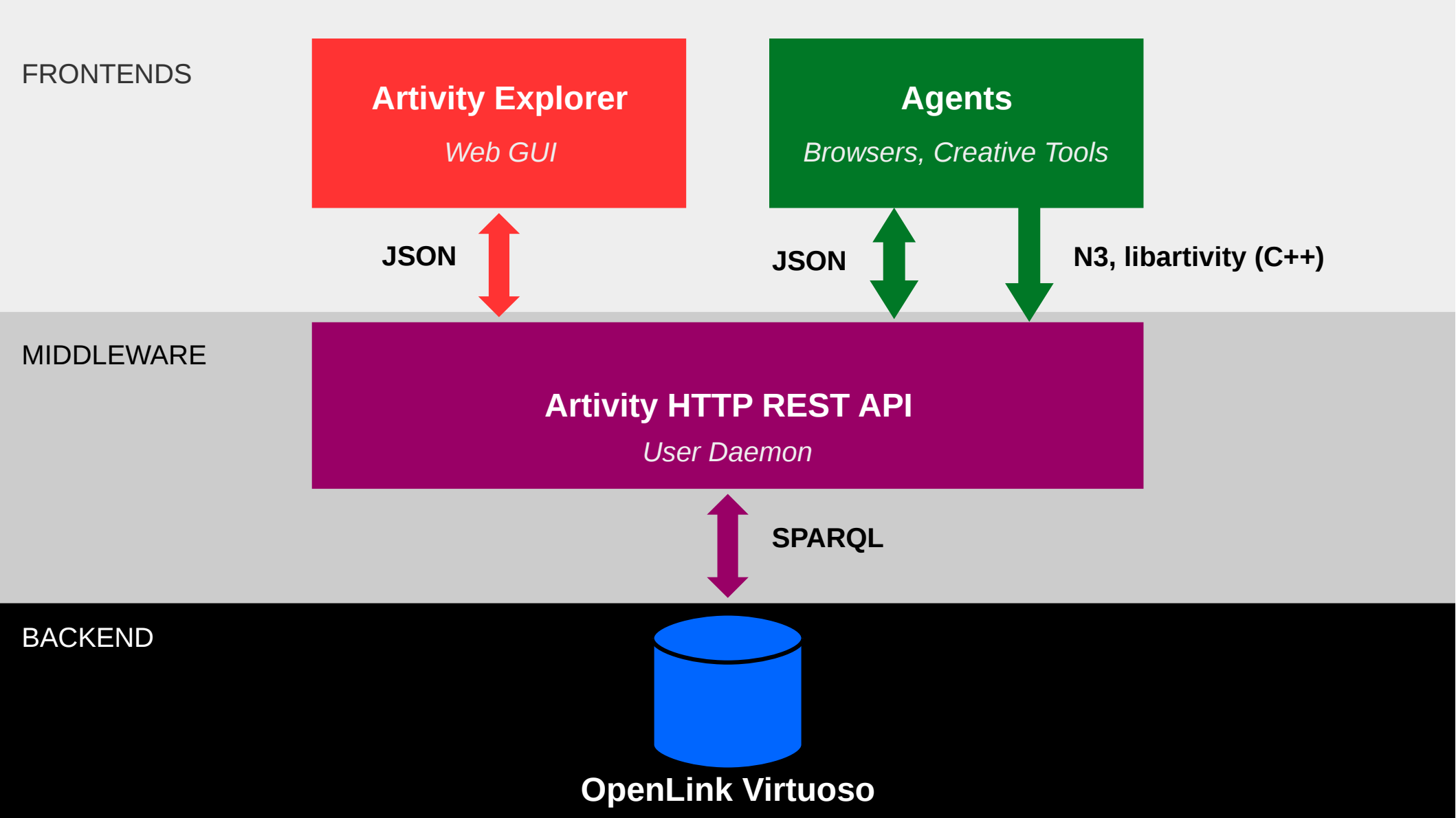
Layers

Layer 1

00:05:11

00:05:16


artivity
Preferences
Cancel
Profile
Apps
Accounts
Enable or disable the applications which will log data into Artivity:
Refresh
Adobe Illustrator CC 2015
OFF
Adobe Photoshop CC 2015
ON
Google Chrome
OFF


FRONTENDS
Artivity Explorer
Web GUI
Agents
Browsers, Creative Tools
JSON
JSON
N3, libartivity (C++)
MIDDLEWARE
Artivity HTTP REST API
User Daemon
SPARQL
BACKEND
OpenLink Virtuoso

artivity

QUERY x | QUERY 1 x | QUERY 2 x | QUERY 3 x | QUERY 4 x | +

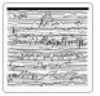
```
1  PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
2  PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
3  PREFIX prov: <http://www.w3.org/ns/prov#>
4  SELECT ?subtype ?objtype WHERE {
5      ?sub prov:used ?obj .
6      ?sub a ?subtype .
7      ?obj a ?objtype .
8  }
```

Table | Raw Response | Pivot Table | Geo

Showing 1 to 50 of 4,574 entries (in 0.212 seconds)

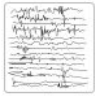
Search: Show 50 entries

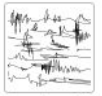
	subtype	objtype
1	http://w3id.org/art/terms/1.0/EditFile	http://w3id.org/art/terms/1.0/Layer
2	http://w3id.org/art/terms/1.0/EditFile	http://www.semanticdesktop.org/ontologies/2007/03/22/nfo#RasterImage
3	http://w3id.org/art/terms/1.0/EditFile	http://w3id.org/art/terms/1.0/Layer
4	http://w3id.org/art/terms/1.0/EditFile	http://w3id.org/art/terms/1.0/Layer
5	http://w3id.org/art/terms/1.0/EditFile	http://w3id.org/art/terms/1.0/Layer
6	http://w3id.org/art/terms/1.0/EditFile	http://w3id.org/art/terms/1.0/Layer
7	http://w3id.org/art/terms/1.0/EditFile	http://w3id.org/art/terms/1.0/Layer


as long as the band plays and …

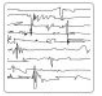
drawing.svg

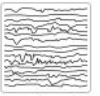
drawing19.svg

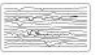

drawing20.svg

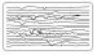

drawing21.svg

drawing22.svg


drawing23.svg


drawing24.svg


drawing25.svg


drawing26.svg

drawing27.svg

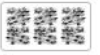
drawing28.svg

drawing32.svg

drawing43.svg

drawing44.svg

drawing45.svg


drawing46.svg

drawing47.svg

drawing48.svg

drawing49.svg

drawing50.svg

drawing51.svg

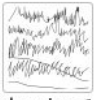
drawing-1.svg

drawing-2.svg

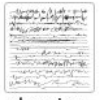
drawing-3.svg

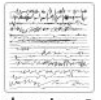
drawing-4.svg

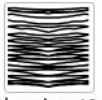
drawing-5.svg

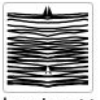

drawing-6.svg

drawing-7.svg


drawing-8svg.svg

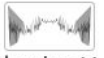

drawing-9.svg


drawing-10.svg


drawing-11.svg

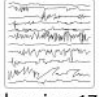
drawing-12.svg

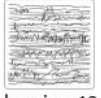
drawing-13.svg


drawing-14.svg

drawing-15.svg

drawing-16.svg


drawing-17.svg


drawing-18.svg

drawing-29.svg

drawing-30.svg

drawing-31.svg

drawing-33.svg

drawing-34.svg

drawing-35.svg

drawing-36.svg

drawing-37.svg

drawing-39.svg

drawing-40.svg

drawing-41.svg

drawing-42.svg

elective psychopathy.svg

for the minds of people ar…

sheetdrawing-15.svg

sheetdrawing-17.svg

sheetdrawing-18.svg

silkscript.svg

those little pills.svg

three steps.svg

trial

try2

wave

wave2

wave3

wave4

wave5

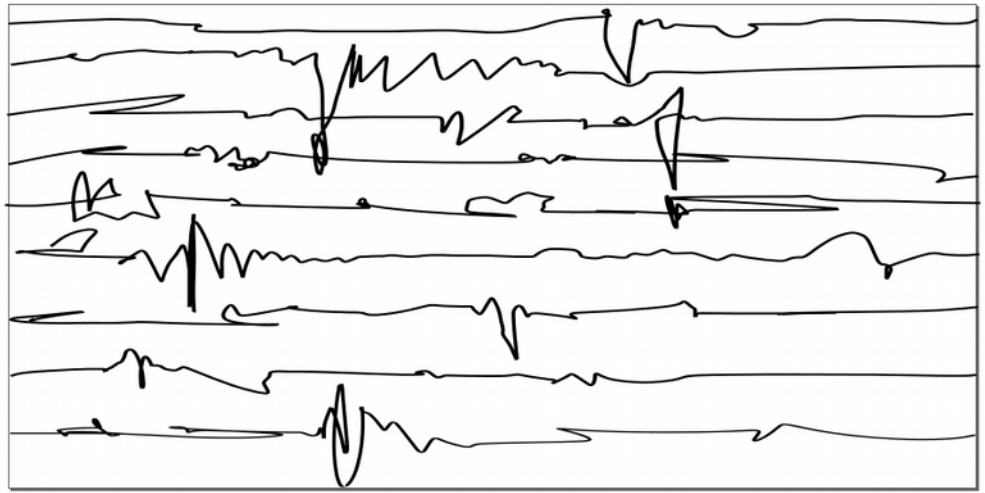
wave6

wave7

wave8

```
prefix nfo: <http://www.semanticdesktop.org/ontologies/2007/03/22/nfo#>
prefix prov: <http://www.w3.org/ns/prov#>

select distinct ?fileUrl ?creationDate
from <http://localhost:8890/artivity/1.0/{USERNAME}/activities>
where
{
   ?editing prov:used ?file .

   ?file a nfo:FileDataObject .
   ?file nfo:fileUrl ?fileUrl .
   ?file nfo:fileCreated ?creationDate .
}
order by desc(?creationDate)
```

drawing File Edit View Layer Object Path Text Filters Extensions Help



Export PNG Image (Shift+Ctrl+E)

Export area

Page | Drawing | Selection | Custom

x0: 0.000 y0: 0.000

x1: 7086.614 y1: 3543.307

Width: 7086.614 Height: 3543.307

Units: px

Image size

Width: 2000 pixels at 25.40 dpi

Height: 1000 pixels at 25.40 dpi

Filename

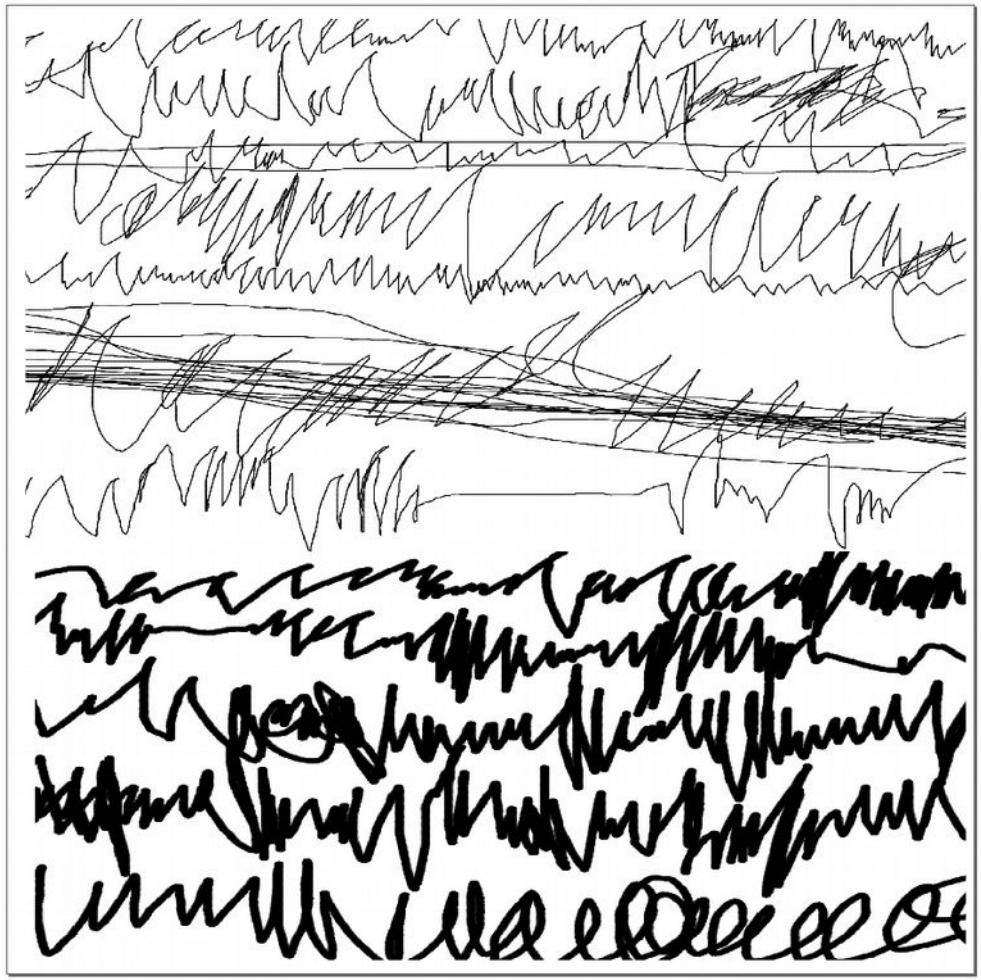
/Documents/drawing27.png Export As...

Batch export all selected objects

Hide all except selected

Close when complete Export

Fill: N/A
Stroke: N/A
O: 0
•Layer 1
No objects selected. Click, Shift+click, Alt+scroll mouse on top of objects, or drag around objects to select.
X: 4541.65
Y: -1527.35
Z: 12%



Export PNG Image (Shift+Ctrl+E)

Export area

Page | Drawing | Selection | Custom

x0: 0.000 y0: 0.000

x1: 3543.307 y1: 3543.307

Width: 3543.307 Height: 3543.307

Units: px

Image size

Width: 1000 pixels at 25.40 dpi

Height: 1000 pixels at 25.40 dpi

Filename

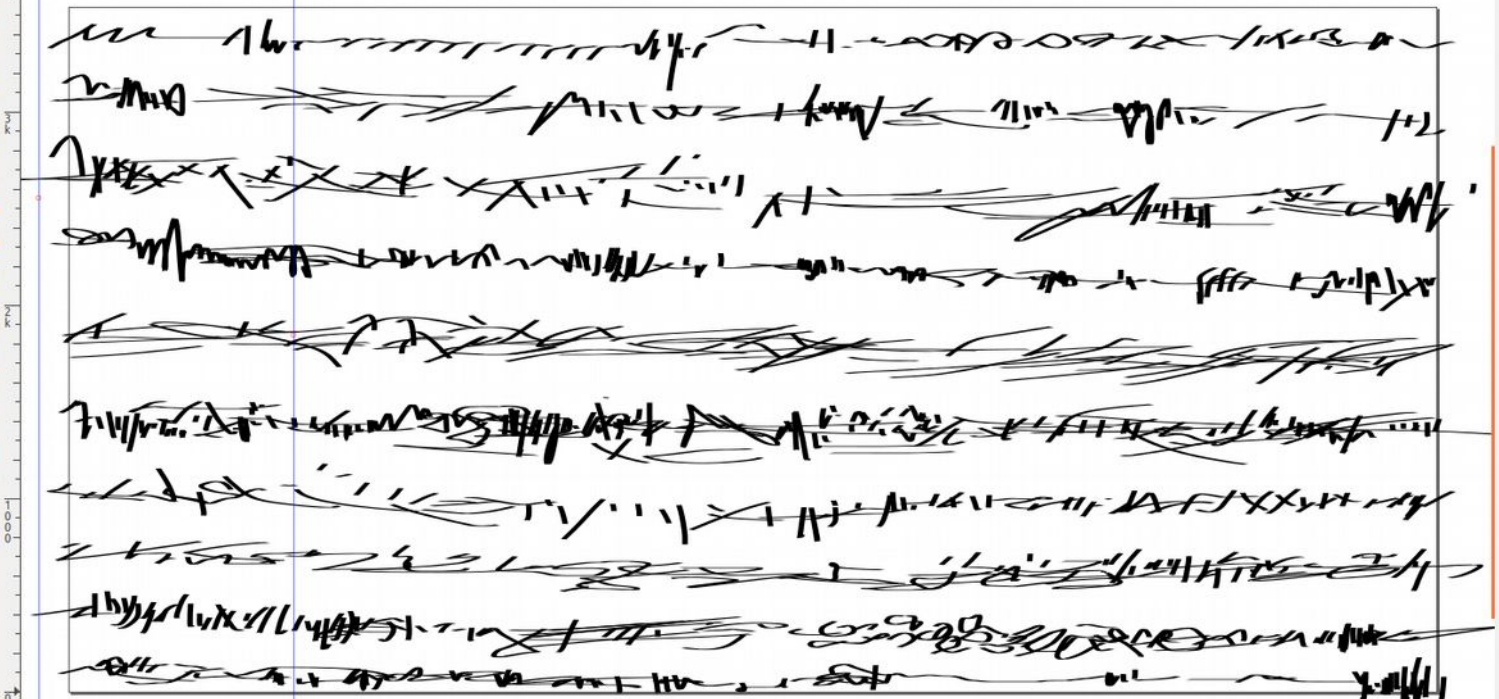
Documents/drawing-15.png Export As...

Batch export all selected objects

Hide all except selected

Close when complete Export

Fill: N/A
Stroke: N/A
O: 0
•Layer 1
No objects selected. Click, Shift+click, Alt+scroll mouse on top of objects, or drag around objects to select.
X: 3899.19
Y: 1587.96
Z: 25%



drawing File Edit View Layer Object Path Text Filters Extensions Help

Export PNG Image (Shift+Ctrl+E)

Export area

Page | Drawing | Selection | Custom

x0: 0.000 y0: 0.000

x1: 7086.614 y1: 3543.307

Width: 7086.614 Height: 3543.307

Units: px

Image size

Width: 2000 pixels at 25.40 dpi

Height: 1000 pixels at 25.40 dpi

Filename

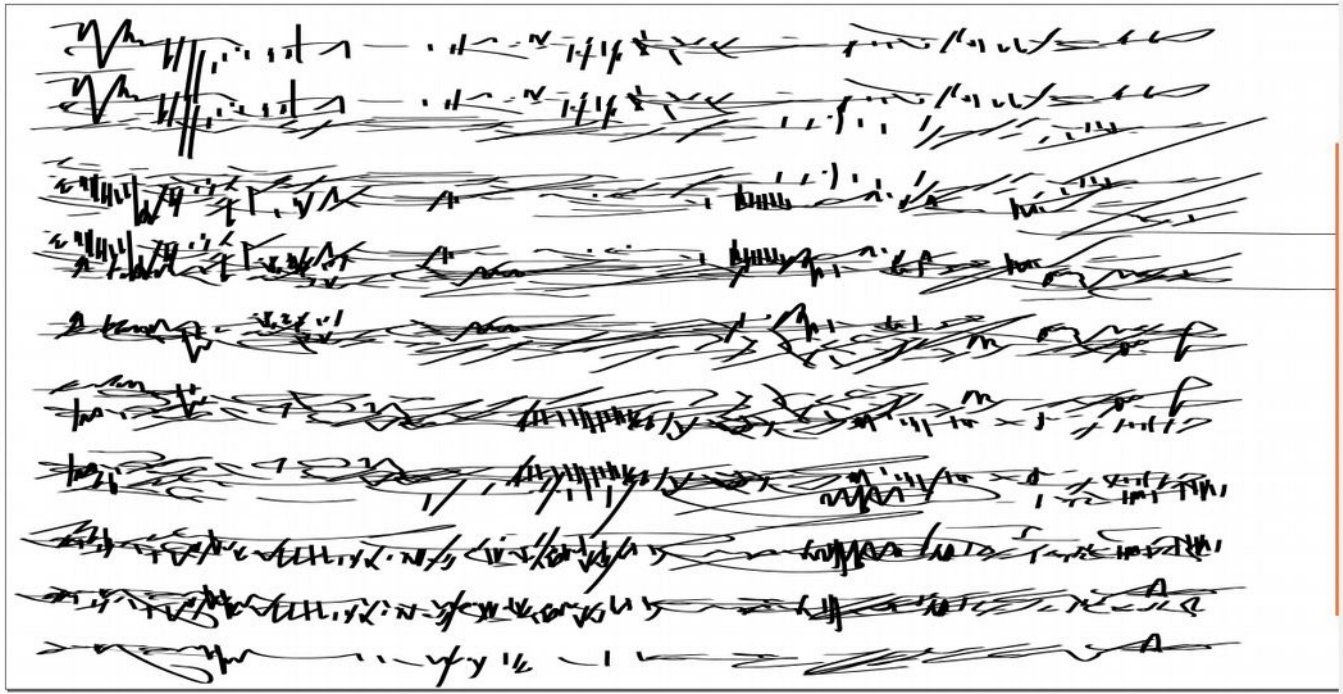
Documents/drawing-31.png Export As...

Batch export all selected objects

Hide all except selected

Close when complete Export

Fill: N/A
Stroke: N/A
O: 0
•Layer 1
No objects selected. Click, Shift+click, Alt+scroll mouse on top of objects, or drag around objects to select.
X: 0.00
Y: 0.00
Z: 18%



Export PNG Image (Shift+Ctrl+E)

Export area

Page | Drawing | Selection | Custom

x0: 0.000 y0: 0.000

x1: 7086.614 y1: 3543.307

Width: 7086.614 Height: 3543.307

Units: px

Image size

Width: 2000 pixels at 25.40 dpi

Height: 1000 pixels at 25.40 dpi

Filename

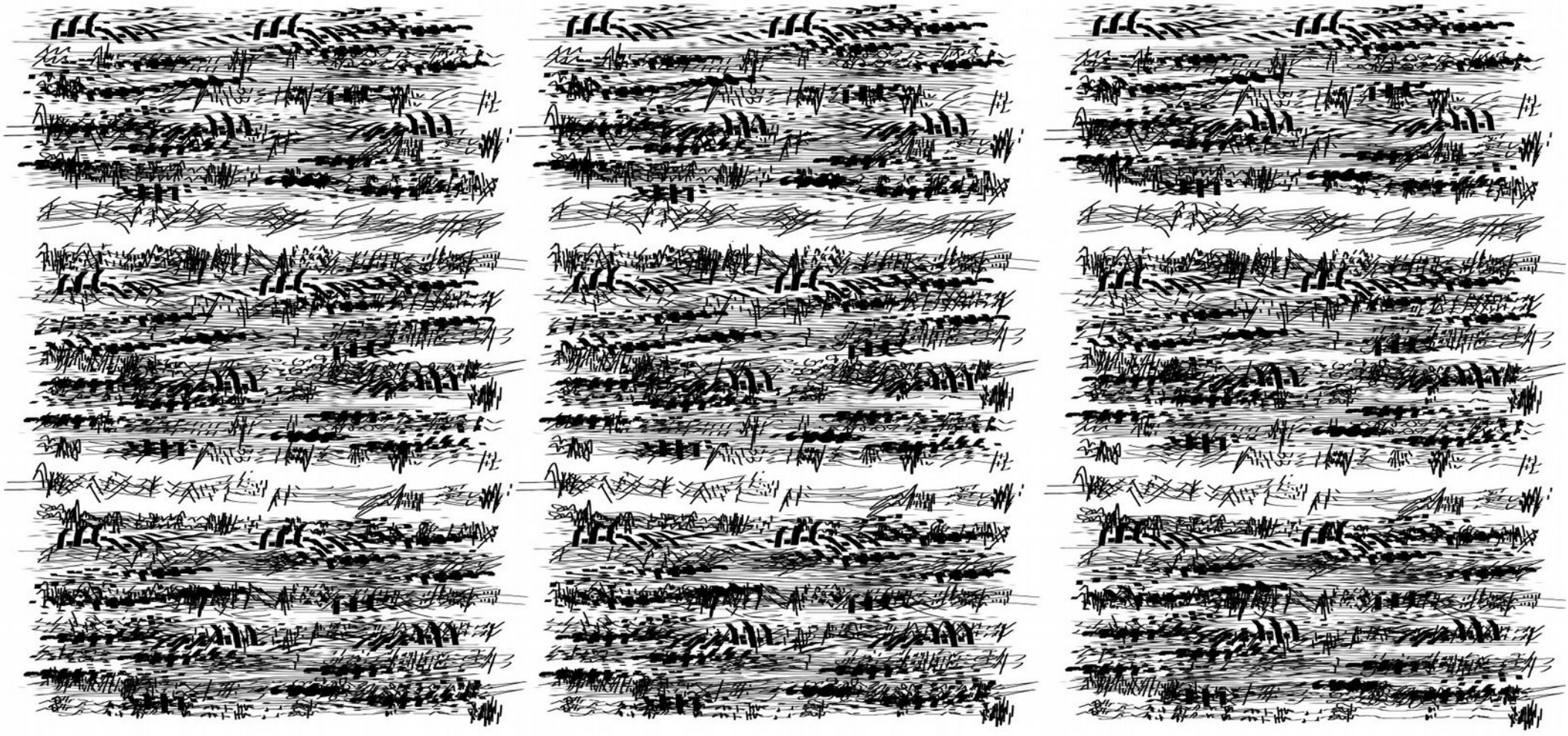
Documents/drawing-40.png Export As...

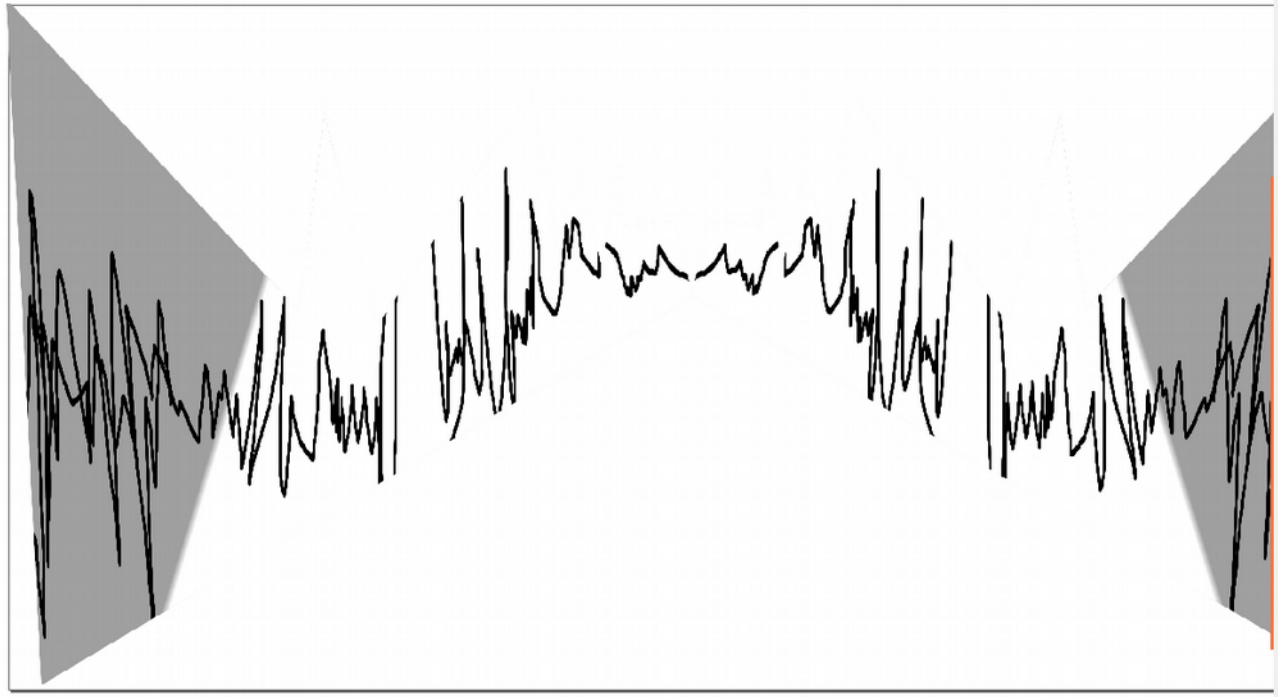
Batch export all selected objects

Hide all except selected

Close when complete Export

Fill: N/A
Stroke: N/A
O: 0
•Layer 1
No objects selected. Click, Shift+click, Alt+scroll mouse on top of objects, or drag around objects to select.
X: 4137.14
Y: -628.57
Z: 18%





Export PNG Image (Shift+Ctrl+E)

Export area

Page | Drawing | Selection | Custom

x0: 0.000 y0: 0.000

x1: 7086.614 y1: 3543.307

Width: 7086.614 Height: 3543.307

Units: px

Image size

Width: 2000 pixels at 25.40 dpi

Height: 1000 pixels at 25.40 dpi

Filename

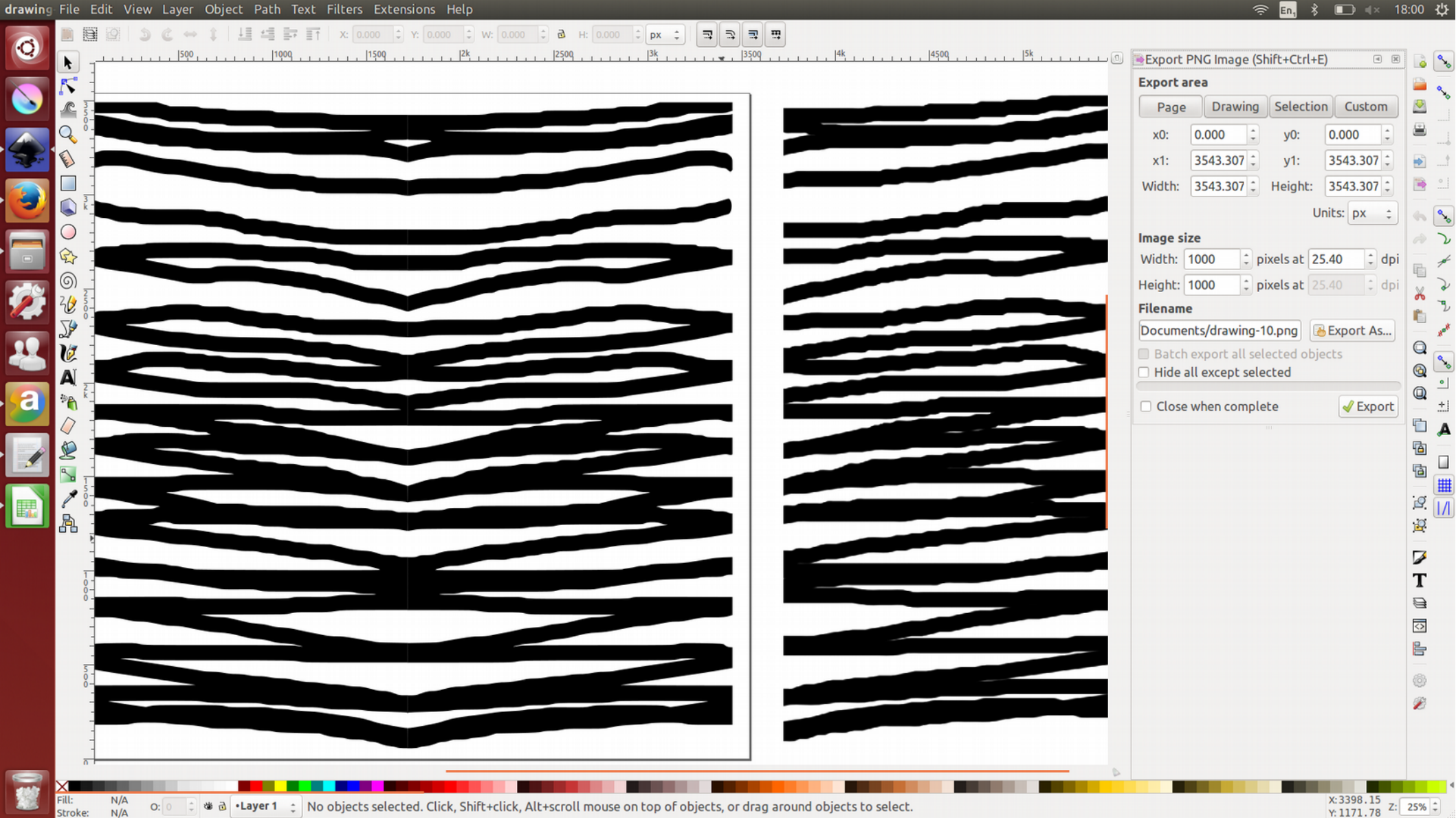
Documents/drawing-14.png Export As...

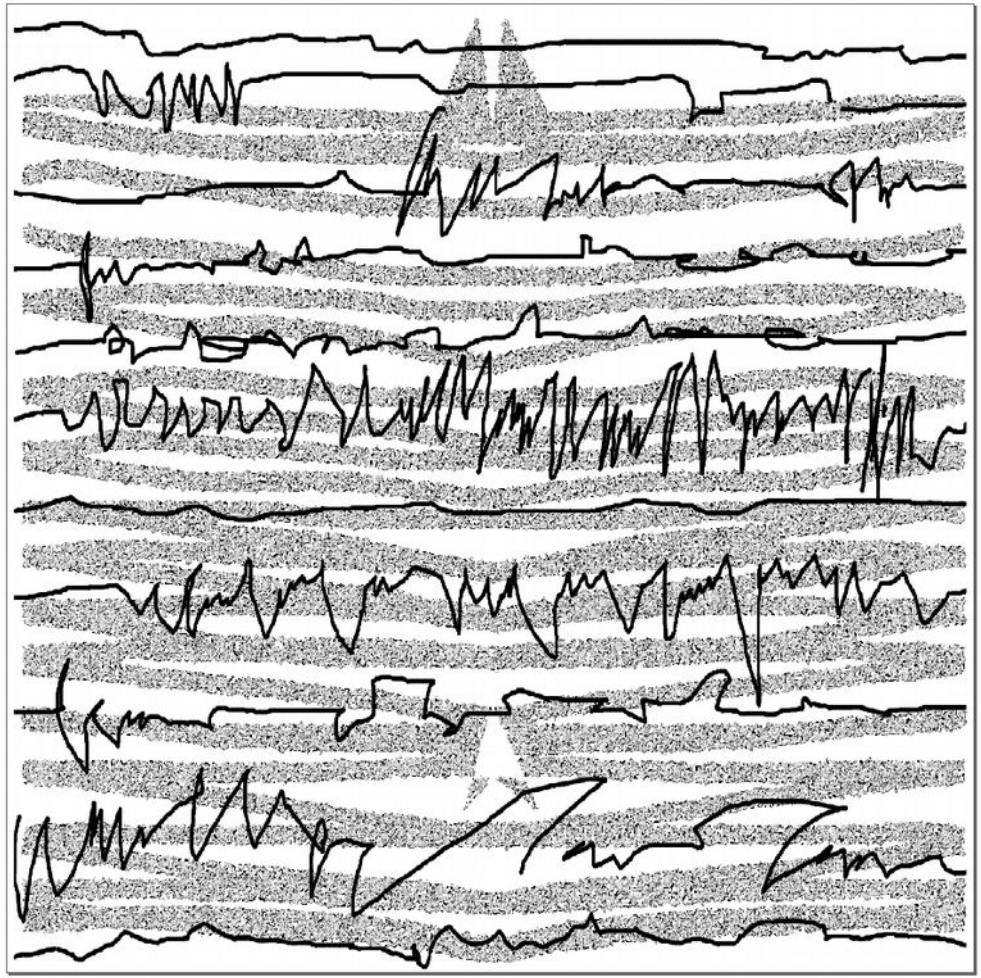
Batch export all selected objects

Hide all except selected

Close when complete Export

Fill: N/A
Stroke: N/A
O: 0
•Layer 1
No objects selected. Click, Shift+click, Alt+scroll mouse on top of objects, or drag around objects to select.
X: 5171.43
Y: 977.14
Z: 18%


drawing File Edit View Layer Object Path Text Filters Extensions Help
18:00
Export PNG Image (Shift+Ctrl+E)
Export area
Page
Drawing
Selection
Custom
x0: 0.000
y0: 0.000
x1: 3543.307
y1: 3543.307
Width: 3543.307
Height: 3543.307
Units: px
Image size
Width: 1000 pixels at 25.40 dpi
Height: 1000 pixels at 25.40 dpi
Filename
Documents/drawing-10.png
Export As...
Batch export all selected objects
Hide all except selected
Close when complete
Export
Fill: N/A
Stroke: N/A
O: 0
•Layer 1
No objects selected. Click, Shift+click, Alt+scroll mouse on top of objects, or drag around objects to select.
X: 3398.15
Y: 1171.78
Z: 25%



drawing File Edit View Layer Object Path Text Filters Extensions Help

Export PNG Image (Shift+Ctrl+E)

Export area

Page | Drawing | Selection | Custom

x0: 0.000 y0: 0.000

x1: 3543.307 y1: 3543.307

Width: 3543.307 Height: 3543.307

Units: px

Image size

Width: 1000 pixels at 25.40 dpi

Height: 1000 pixels at 25.40 dpi

Filename

Documents/drawing-18.png Export As...

Batch export all selected objects

Hide all except selected

Close when complete Export

Fill: N/A
Stroke: N/A

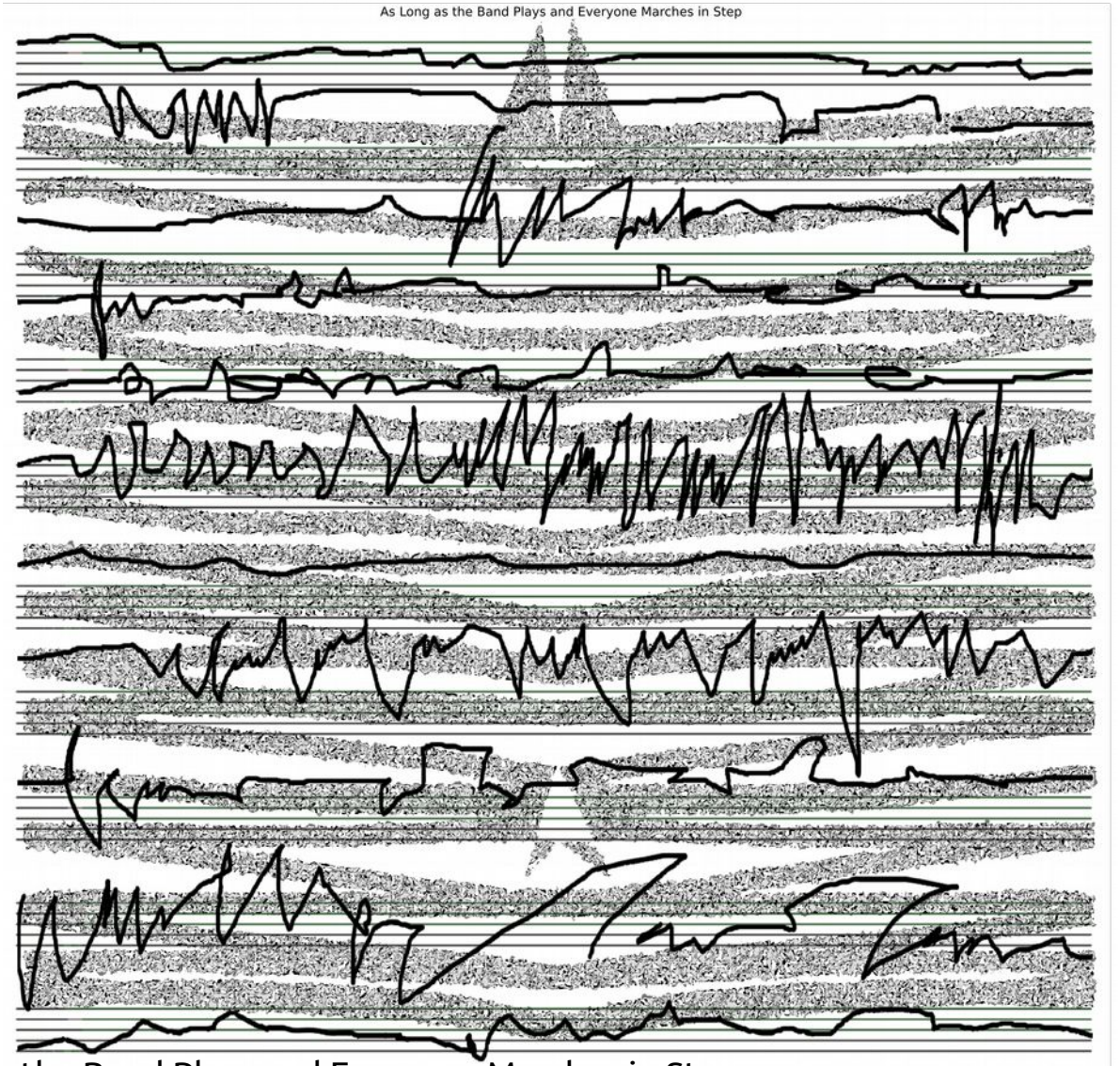
O: 0

•Layer 1

No objects selected. Click, Shift+click, Alt+scroll mouse on top of objects, or drag around objects to select.

X: -173.75
Y: 1131.37

Z: 25%



Gino Ballantyne: As Long as the Band Plays and Everyone Marches in Step

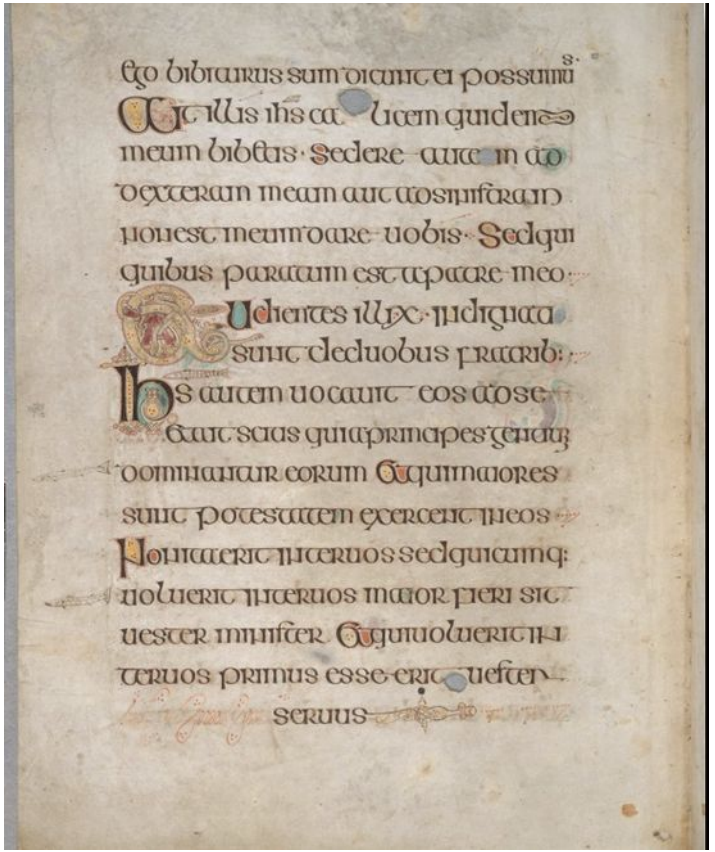
```
prefix nfo: <http://www.semanticdesktop.org/ontologies/2007/03/22/nfo#>
prefix prov: <http://www.w3.org/ns/prov#>

select ?accessTime ?page ?fileUrl
from <http://localhost:8890/artivity/1.0/{USERNAME}/activities>
from <http://localhost:8890/artivity/1.0/{USERNAME}/activities/web>
where
{
   ?file a nfo:FileDataObject .
   ?file nfo:fileUrl ?fileUrl .

   ?editing prov:used ?file .
   ?editing prov:startedAtTime ?editingStart .
   ?editing prov:endedAtTime ?editingEnd .

   ?page a nfo:WebDataObject .

   ?browsing prov:qualifiedUsage ?pageUsage .

   ?pageUsage prov:entity ?page .
   ?pageUsage prov:atTime ?accessTime .

   filter(?editingStart <= ?accessTime && ?accessTime <= ?editingEnd)
}
order by desc(?accessTime) limit 50
```

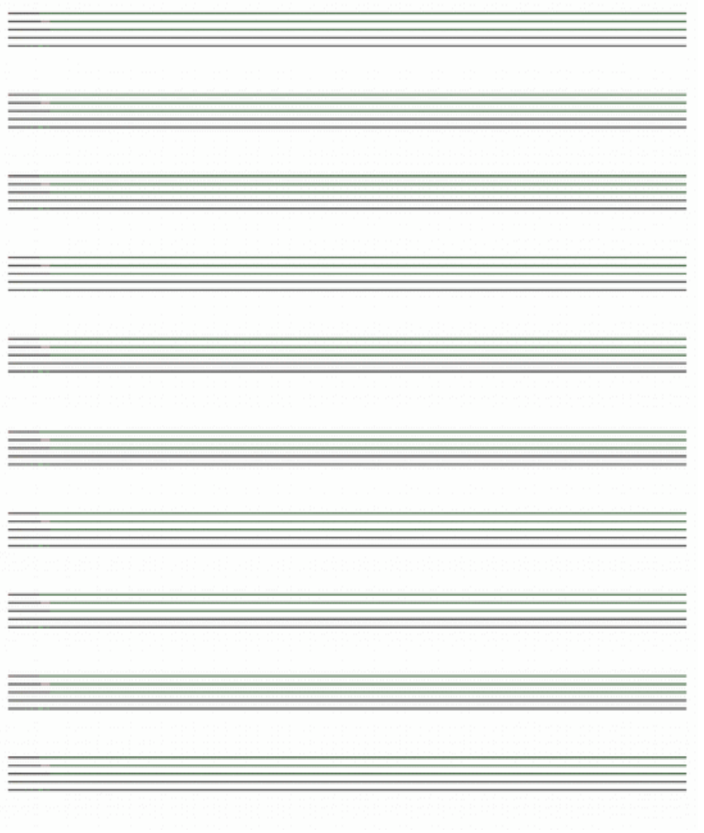
Google book of kells writing

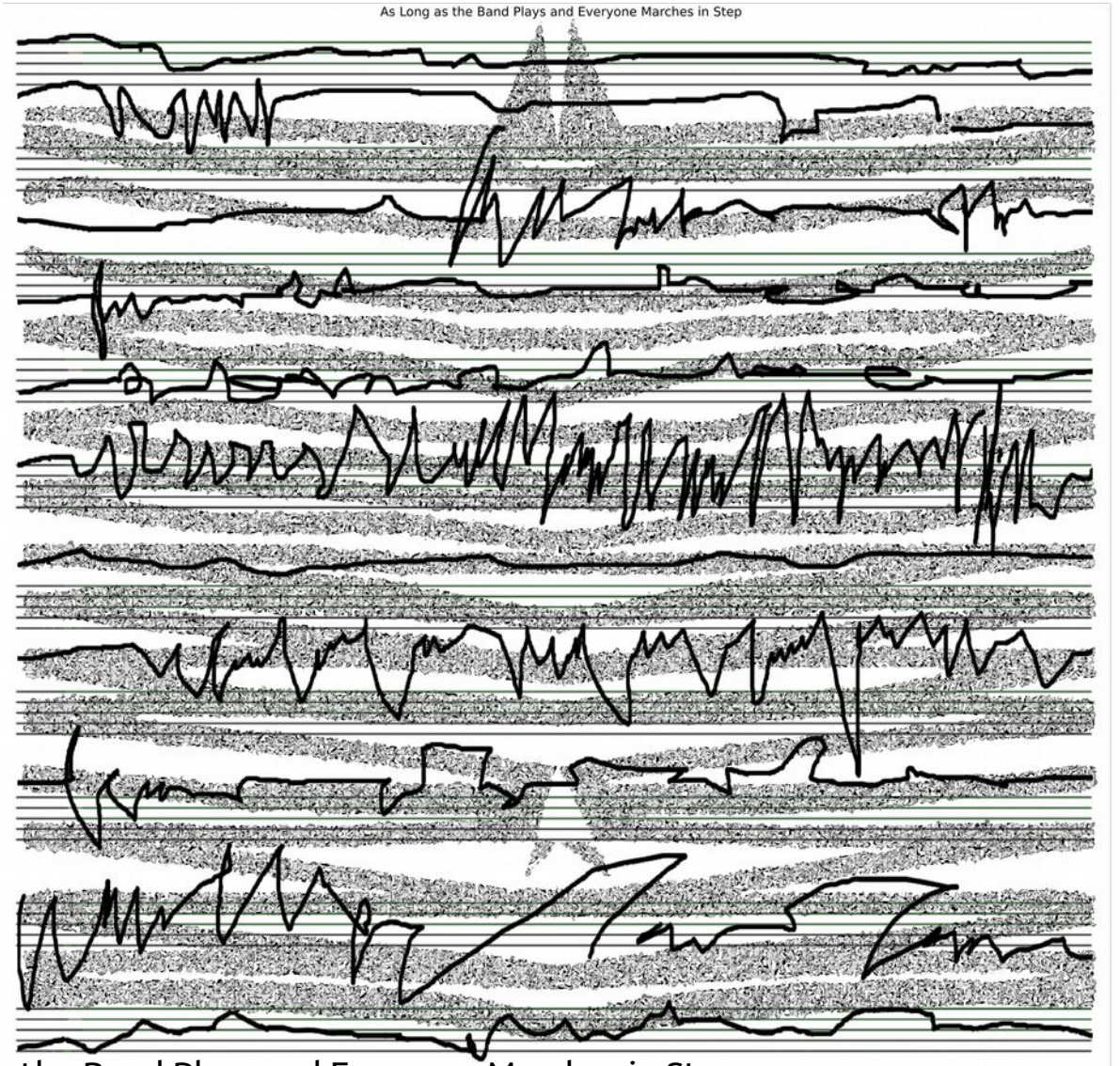
All Images Shopping Videos News More Search tools SafeSearch

Alphabet Animals Letters Cover

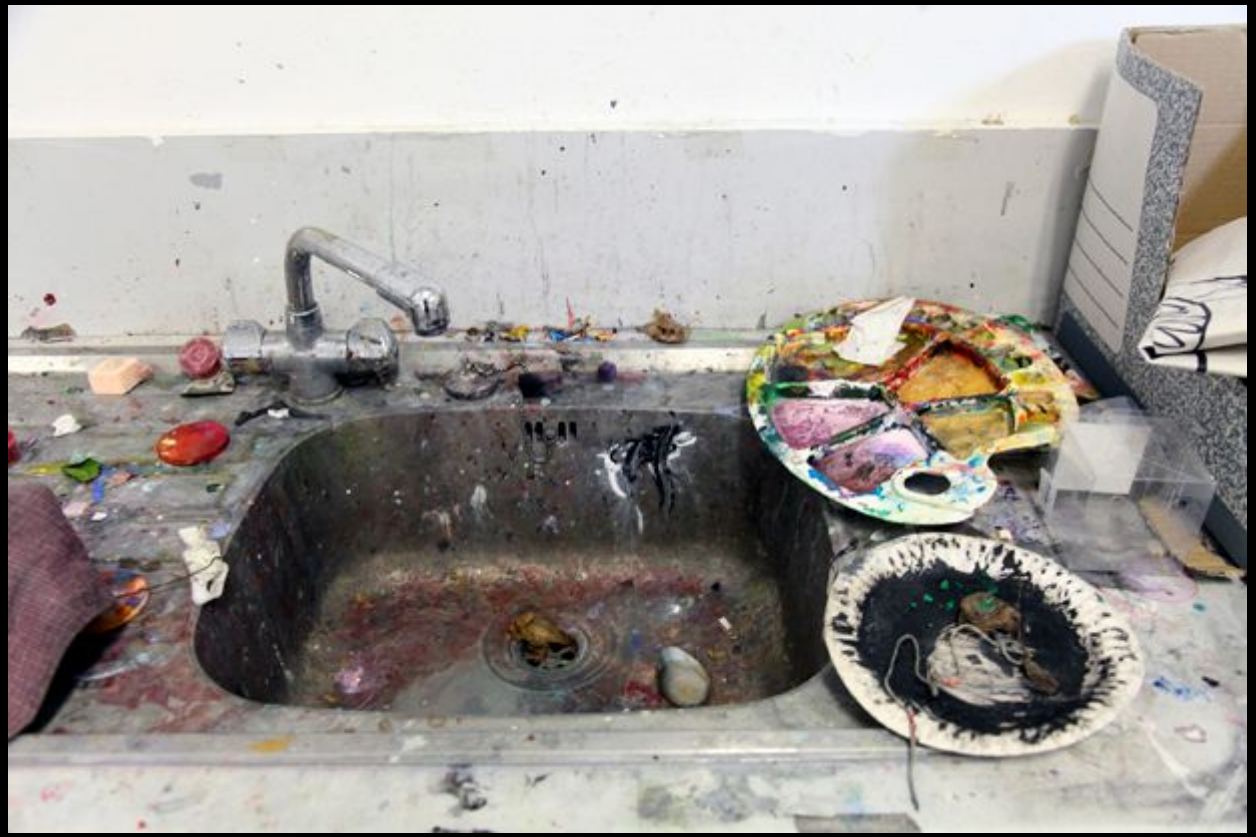
Cookies help us deliver our services. By using our services, you agree to our use of cookies.
Learn more Got it



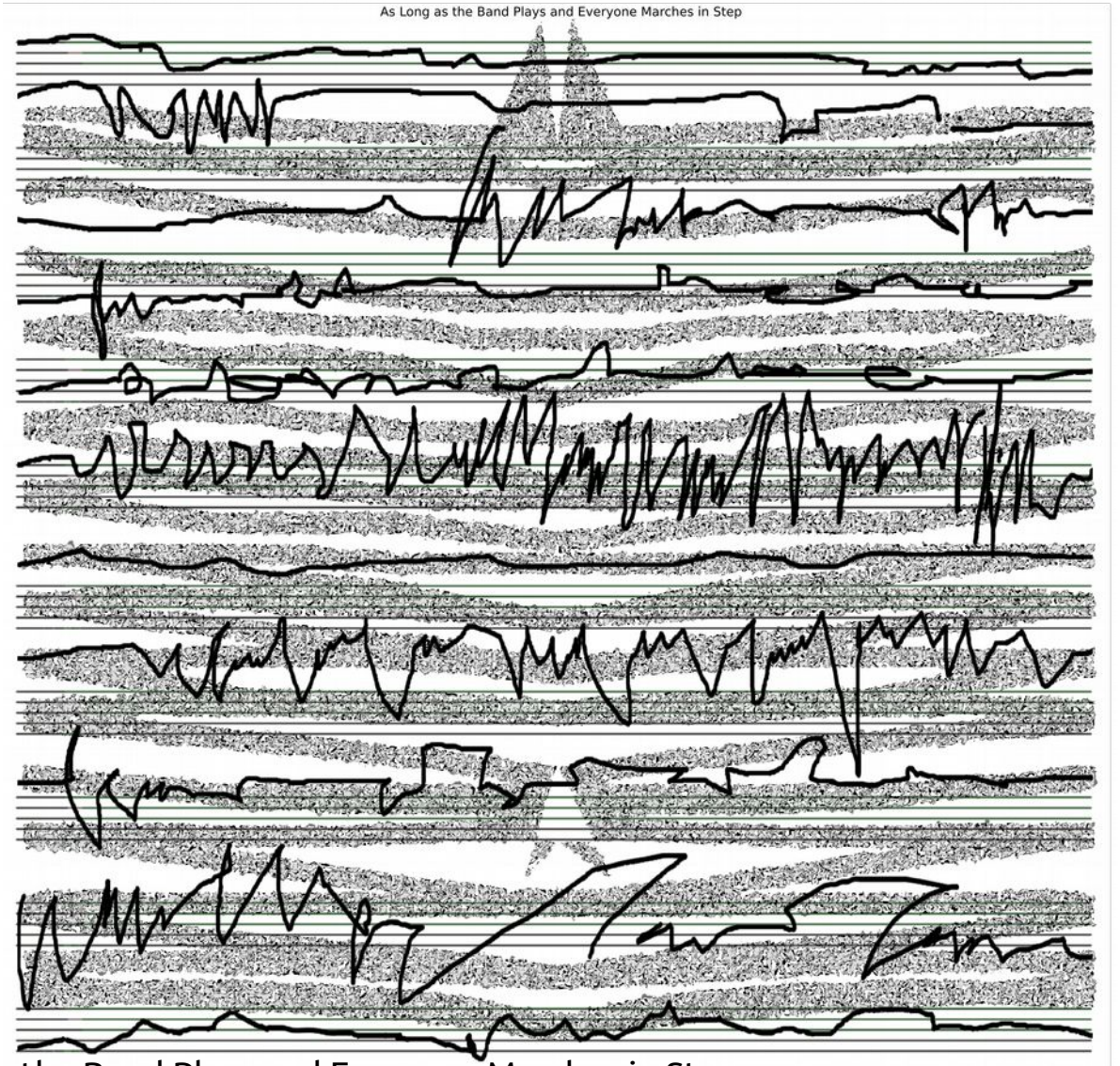




Gino Ballantyne: As Long as the Band Plays and Everyone Marches in Step



(wifi – GPS data, tbd)



Gino Ballantyne: As Long as the Band Plays and Everyone Marches in Step

Potential answers

- One artist/artwork over time
  - development of work
  - development of technique

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX art: <http://w3id.org/art/terms/1.0/>
PREFIX dc: <http://purl.org/dc/elements/1.1/>
PREFIX prov: <http://www.w3.org/ns/prov#>

SELECT DISTINCT ?activity ?time ?type ?description WHERE
{
  ?activity prov:startedAtTime ?startTime .
  ?activity prov:endedAtTime ?endTime .

  ?influence a ?type .
  ?influence prov:activity | prov:hadActivity ?activity .
  ?influence prov:atTime ?time .
  OPTIONAL { ?influence dc:description ?description . }

  FILTER(?type in (prov:Generation, prov:Revision, prov:Invalidation, art:Undo, art:Redo))
}
ORDER BY DESC(?time)
```

Speed of work / Undos

Gino

Variance: 48.719

Average: 2.237

Total actions: 20580

Undos: 171

1 undo per 120 actions

Peter

Variance: 28.12

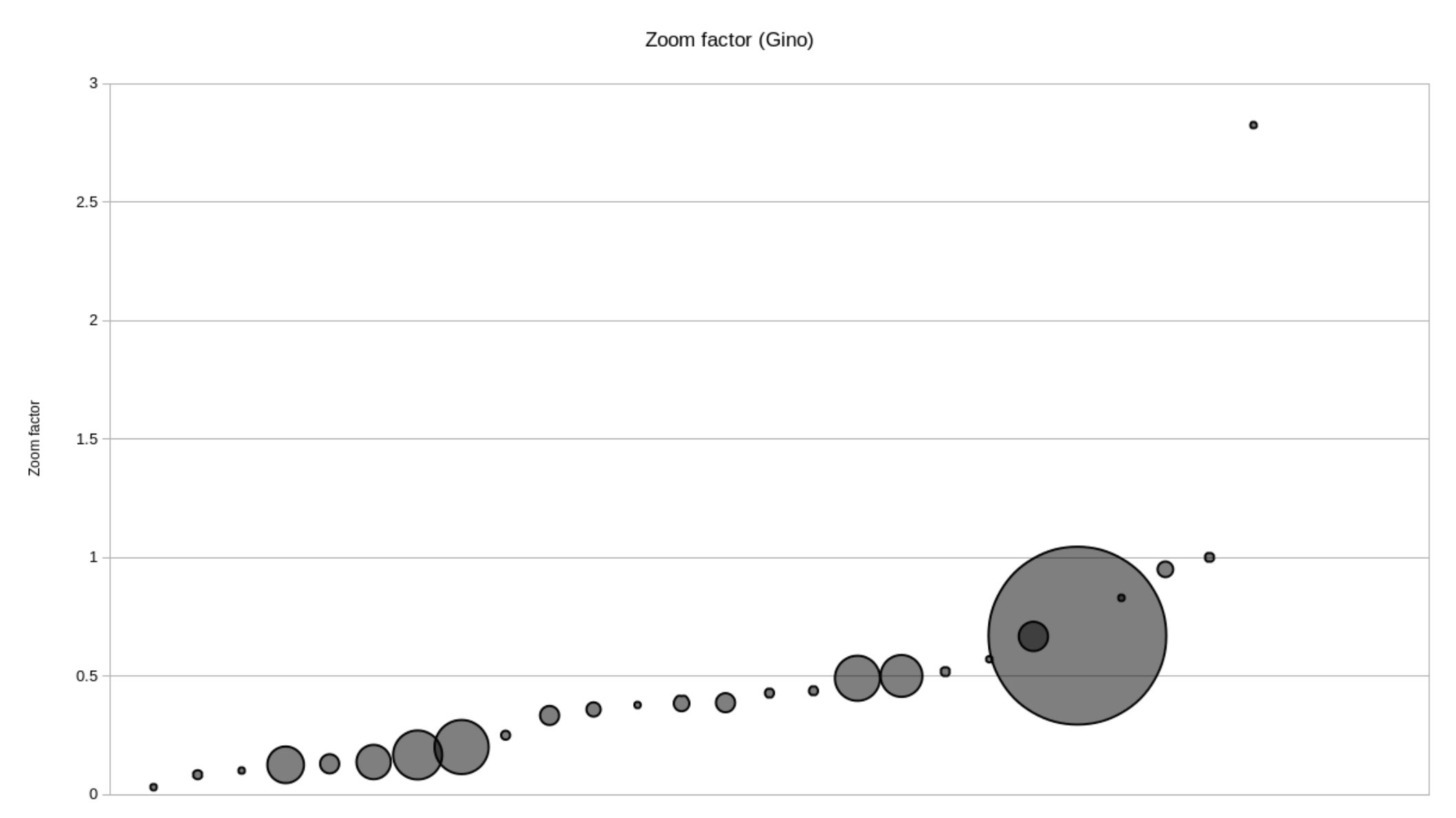
Average: 1.52

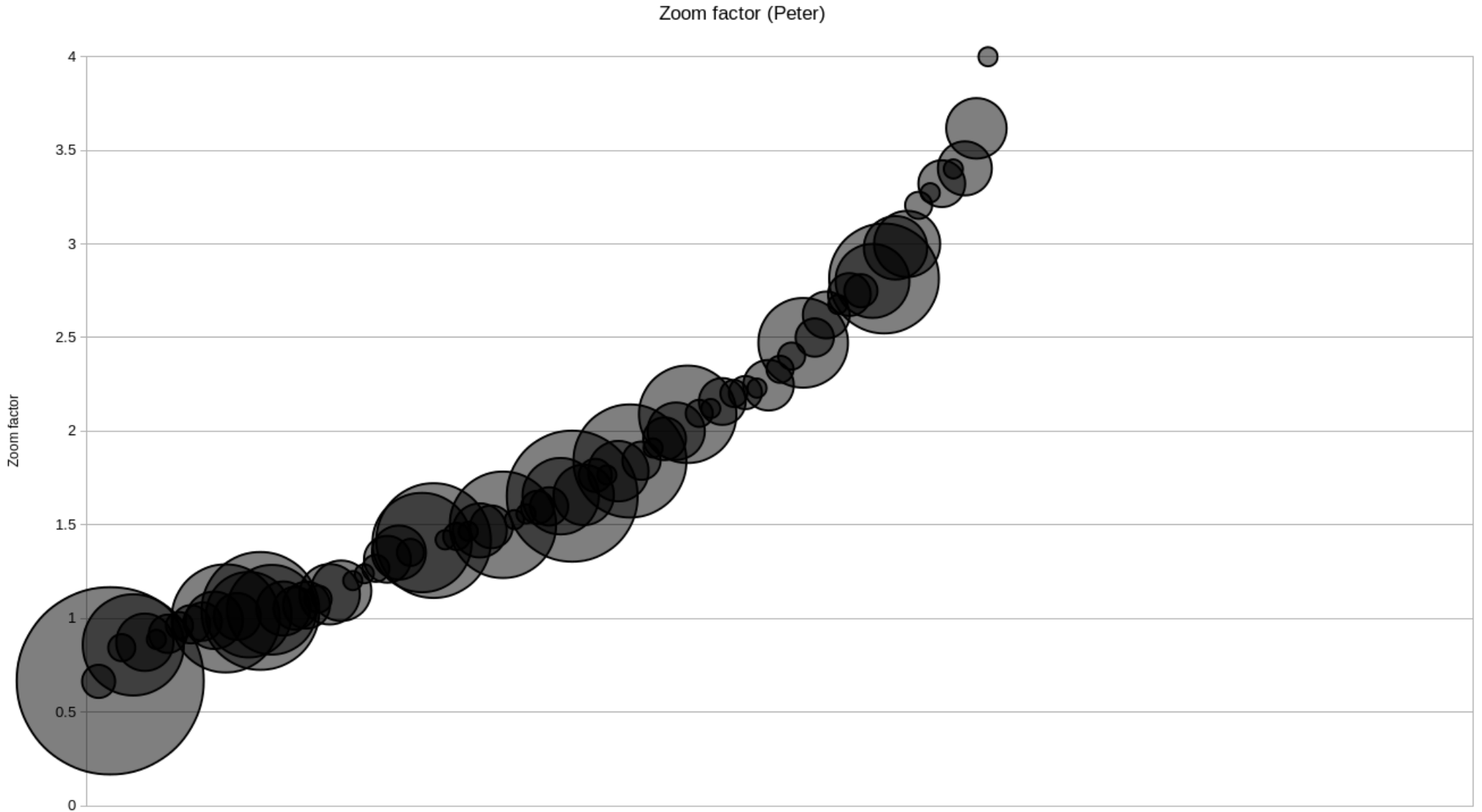
Total actions: 53850

Undos: 319

1 undo per 168 actions

```
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX art: <http://w3id.org/art/terms/1.0/>
PREFIX dc: <http://purl.org/dc/elements/1.1/>
PREFIX prov: <http://www.w3.org/ns/prov#>

SELECT ?viewport ?factor WHERE {
  ?viewport art:zoomFactor ?factor .
}
```


Zoom factor (Gino)
Zoom factor
3
2.5
2
1.5
1
0.5
0


Zoom factor (Peter)
Zoom factor
4
3.5
3
2.5
2
1.5
1
0.5
0

Potential answers

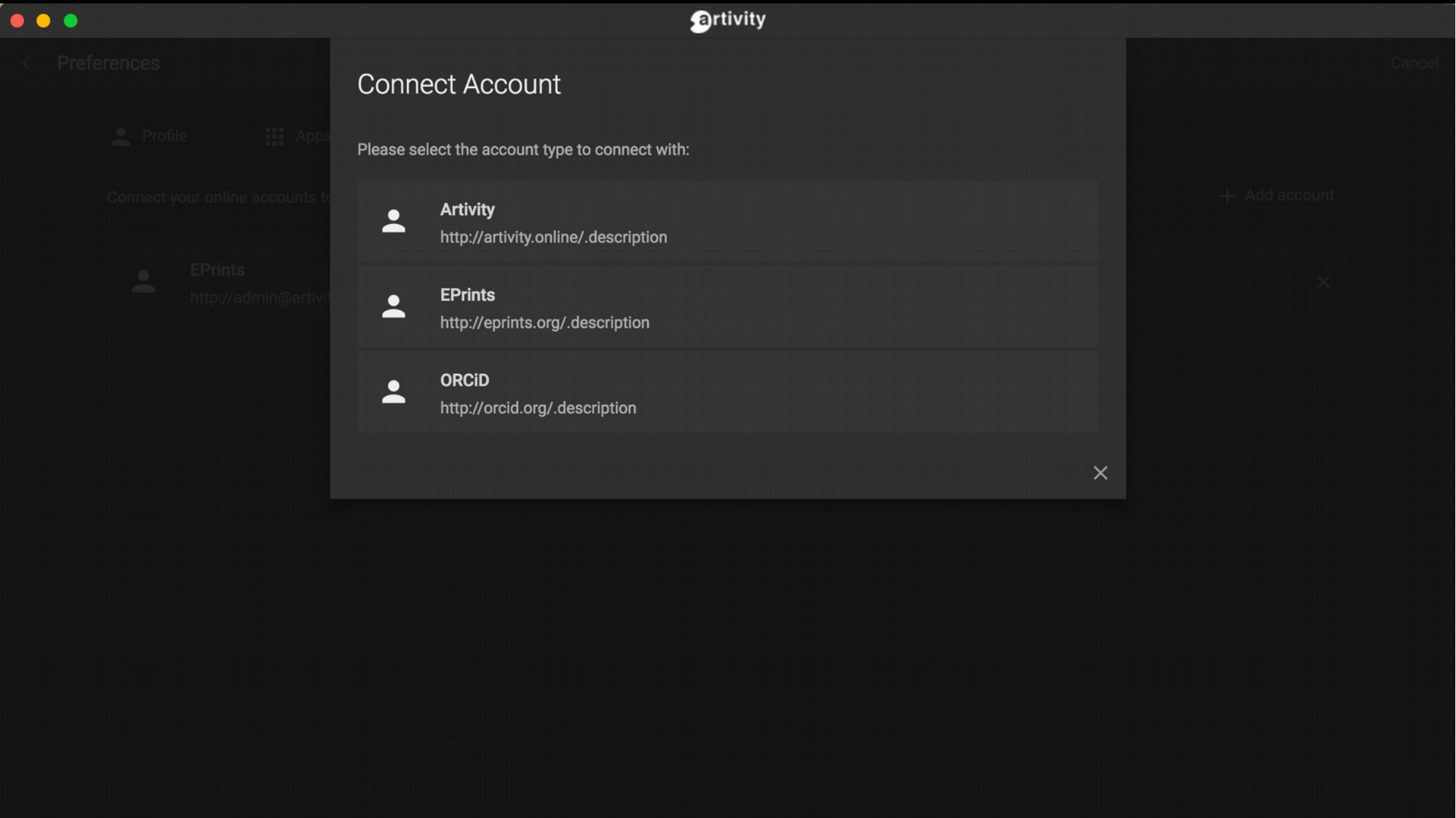
- One artist/artwork over time
  - development of work
  - development of technique
- Many artists
  - overview of current trends
  - in an organisation/studio/class/department
- Many artists over time
  - Trends in digital arts over time
  - Trends in methods and online research

Who cares?

- Artists
  - self-archiving
- Researchers interested in art history
  - data about context – mode of work
- Researchers interested in technique
  - data about software tools and settings
- Authenticity of digital art
  - show how you did it

Who else?

- Group design
  - attribution – justification – annotation
- University administration
  - provide data for REF
- Teaching / learning
  - share instructions – automated assessment – evaluate exercises
- Developers of creative software
  - find out about the popularity / use of features
- **Repository managers / digital archivists**
  - **collect data for long term preservation**


artivity
Preferences
Cancel
Profile
Apps
Connect your online accounts to
Add account
EPrints
http://admin@artivi
Connect Account
Please select the account type to connect with:
Artivity
http://artivity.online/.description
EPrints
http://eprints.org/.description
ORCiD
http://orcid.org/.description

EPrints support in Artivity

- Publish Artivity datasets directly into EPrints
- Pre-filled deposit metadata:
  - Title
  - Abstract
  - Creators
  - Subjects
  - Item type
- EPrints plugin for Atom Publishing Protocol (optional)

Friday, 12th August 2016

Edited File

Saved	03:07:05
Created Element	03:06:40
Created Element	03:06:37
Created Element	03:06:36
Created Element	03:06:35
Created Element	03:06:33
Created Element	03:06:31
Created Element	03:06:30
Created Element	03:06:28
Created Element	03:06:27
Created Element	03:06:25
Created Element	03:06:23
Created Element	03:06:20
Created Element	03:06:19
Undo	03:06:13
Undo	03:06:12

STATISTICS

Editing

Confidence	98 %
Steps	121
Undos	3
Redos	0

Composition

Layers	4
Groups	0
Masked	0
Clipped	0

Layers

- Layer 5
- Layer 3
- Layer 4
- Layer 2

Artivity Poster.ai

Friday, 12th August 2016

Edited File

Saved

Created Element

Undo

Undo

00:00:00

STATISTICS

Editing

Confidence 98 %

Steps 121

Undos 3

Redos 0

Composition

Layers 4

Groups 0

Masked 0

Clipped 0

Layers

Layer 5

Layer 3

Layer 4

Layer 2

00:12:22

Publish Editing History

Create a dataset for your file and upload it into a digital repository.

Artivity Poster

Sebastian Faubel

Title

Artivity data for Artivity Poster.ai

Abstract

Test

License

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Additional Contents

- [x] File
- [ ] Browsing History
- [ ] Comments

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×

View Item: Artivity data for Artivity Poster.ai

This item is in review. It will not appear in the repository until it has been checked by an editor.

Move to Repository | Return item (with notification) | Remove item (with notification)

Preview | Details | Actions | History | Issues

Faubel, Sebastian *Artivity data for Artivity Poster.ai.* [Dataset]

["document_typename_application/artivity+zip" not defined]
Artivity Poster.arta
Download (8MB)

Abstract

Test

Item Type:	Dataset
Subjects:	N Fine Arts > N Visual arts (General) For photography, see TR N Fine Arts > NX Arts in general
SWORD Depositor:	Unnamed user with email admin@localhost
Depositing User:	Unnamed user with email admin@localhost
Last Modified:	12 Dec 2016 09:50
URI:	http://artivity.localhost:8080/id/eprint/84

Welcome to The EPrints Bazaar

The Software Portal for the EPrints Community

The software available through the Bazaar has been supplied by the Community and for the Community.
The contributions have been made by both established software suppliers and independant individuals alike.

RSS

Latest Additions and Updates

Entity Phrases

ORCID Support

CORE Recommender

PIRUS/IRUS-UK PUSH Implementation

Altmetric

Atom Publishing Protocol: DC Terms Support

REF Compliance Checker for EPrints

RSS 2.0 Expanded Export

YouTube Import Plugin

Multilang Title and Abstract

Platform Support

Operating Systems

- Ubuntu
- Mac OS X
- Windows

Creative Tools

- Inkscape
- Krita
- Photoshop CC
- Illustrator CC

Web Browsers

- Mozilla Firefox
- Google Chrome
- Opera

http://artivity.io