FaunaPhotonics

We monitor insects to ensure sustainable crop management and to improve tools for pest control and biodiversity for the benefit of mankind

Written about by:

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Member of Danish Agriculture & Food Council

SPECTRVM
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

mosaic
the science of life

BBC EARTH

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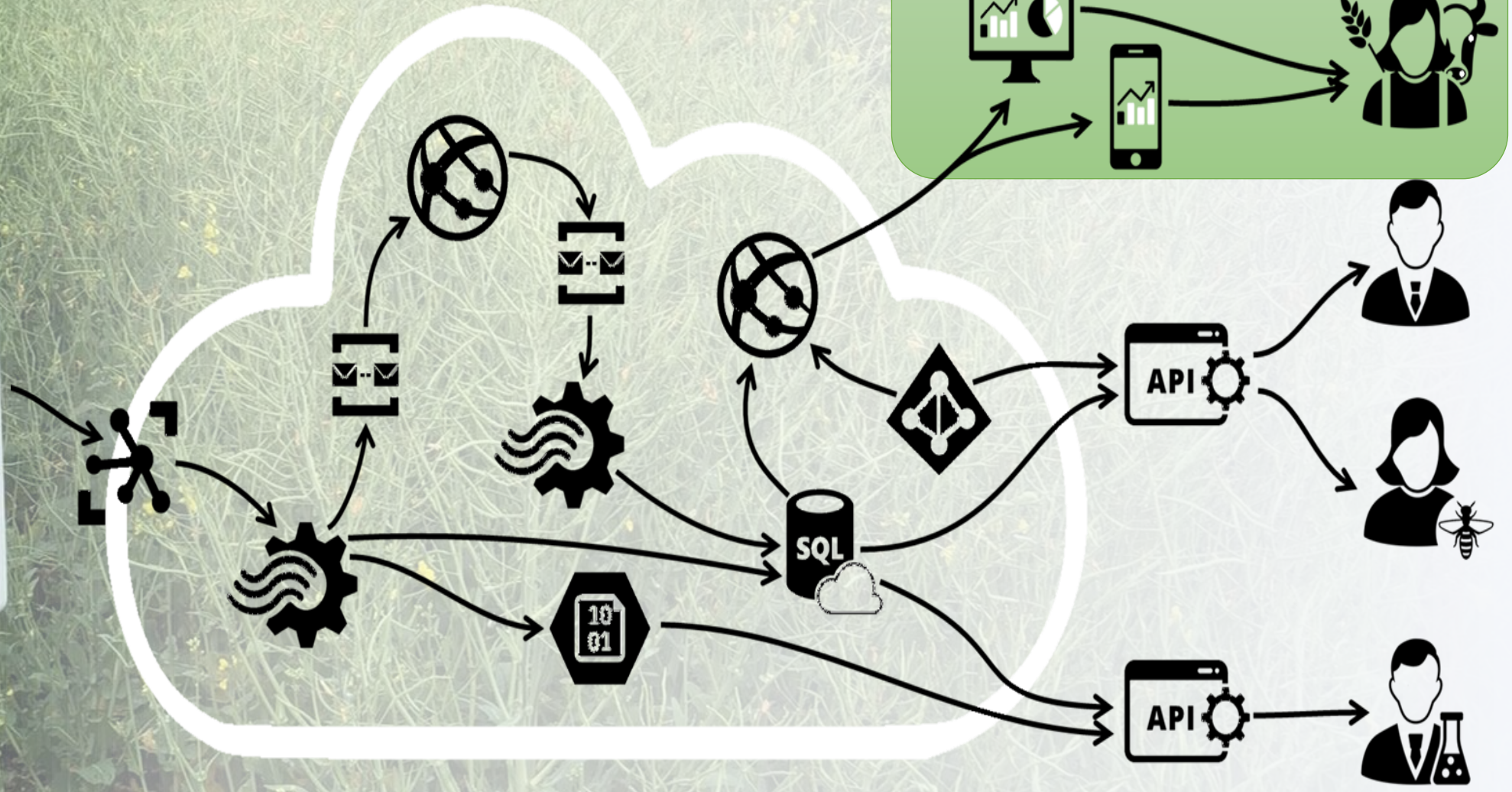
PRI

Fælder – insekt monitoring **FØR**

Sensor – insekt monitoring **NU**

Sensor – integration med digital



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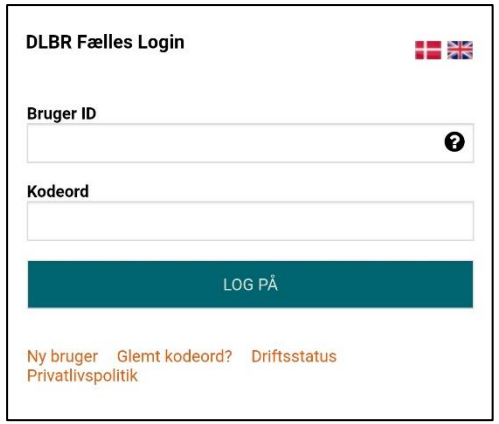
SETUP

1. Scout placed in field, setup mode initiated

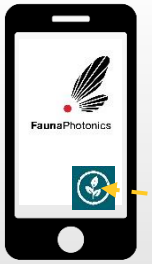
Setup procedure

Refer to CropManager log-in page



3. CropManager login embedded in Faunaphotonics App verifies credentials, returns relevant user (GDPR compliant) details, and registers user as a Faunaphotonics-enabled client

CropManager User Id



2. Faunaphotonics App manages Scout setup procedure

FP Customer Id, Scout setup details etc.

"Connect to CropManager" button

4. Scout details linked to CropManager id in Faunaphotonics database

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USAGE

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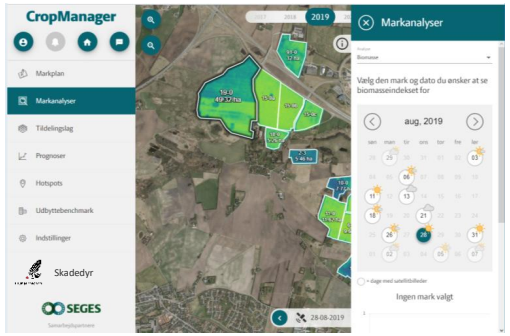
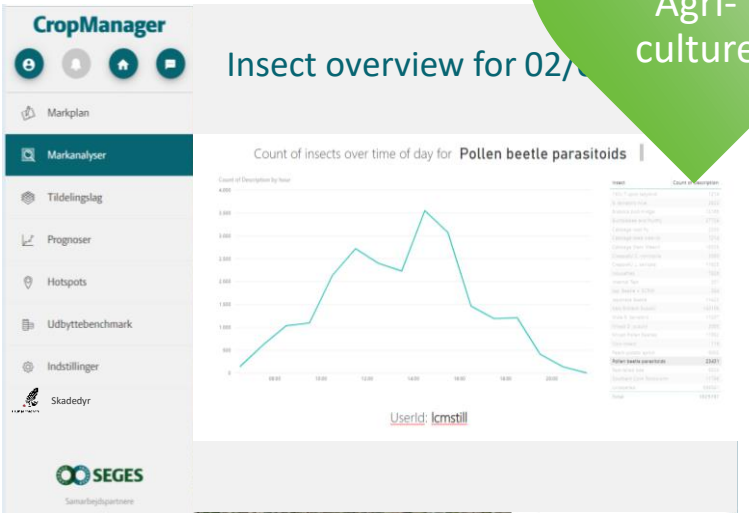
1. Logged-in CropManager user requests insect data



3. PowerBI report is embedded in CropManager webpage and updates with new information



CropManager User Id, date period, selected insects etc

Filtered visualisation

SQL

Insect data

2. PowerBI pulls data from SQL database and creates visualisation containing requested information, specific to the user

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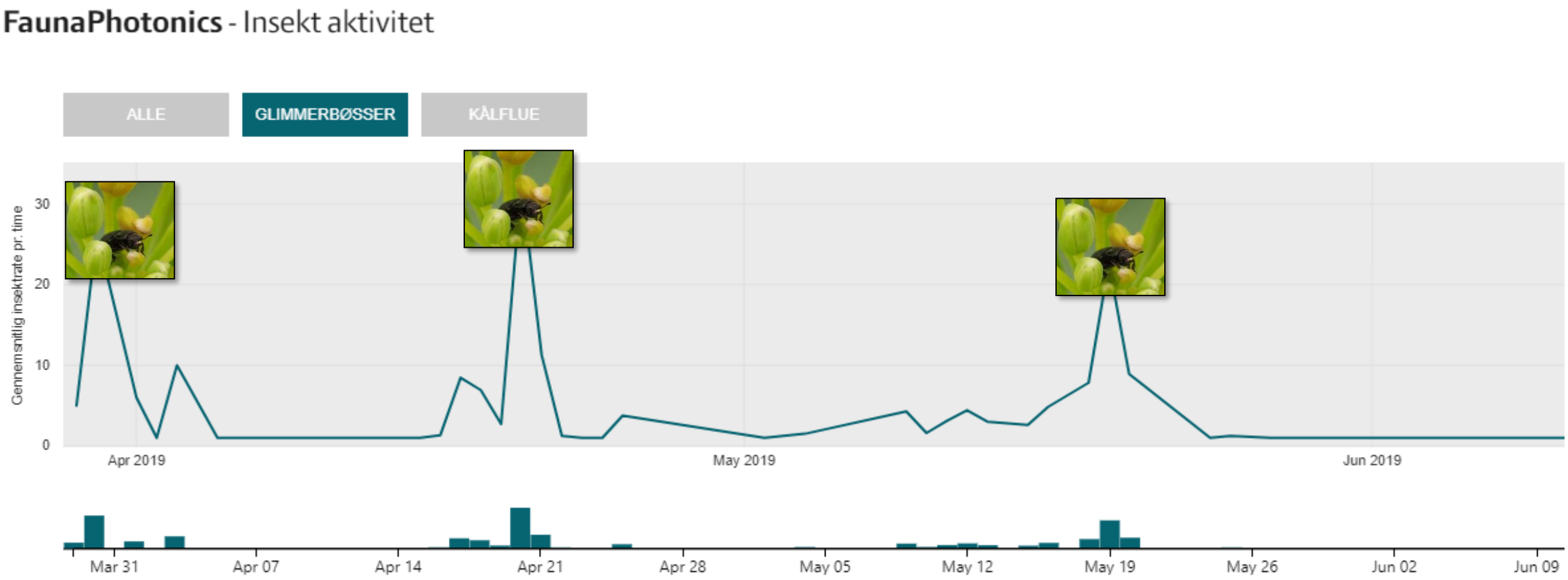

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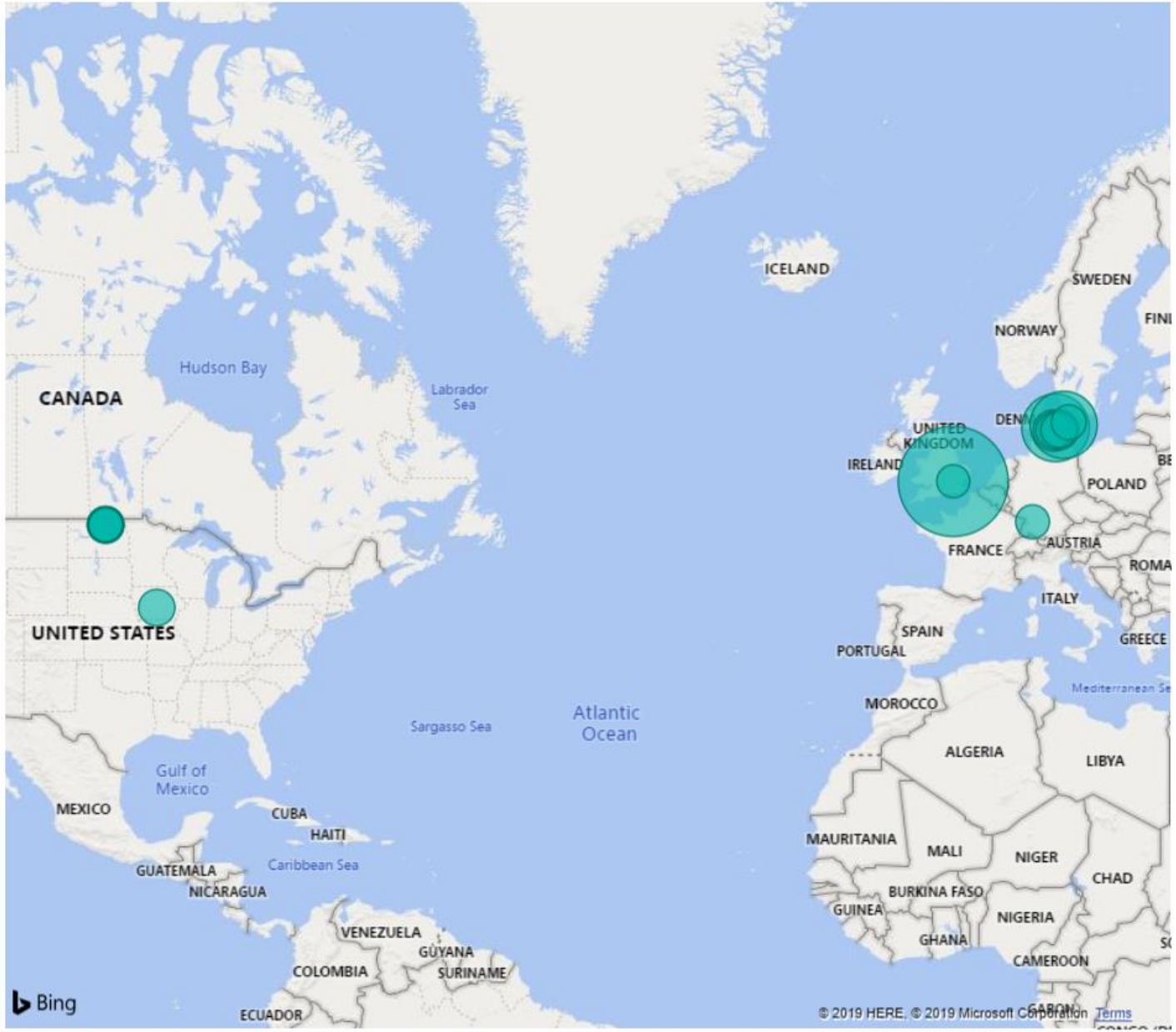
Count of insects over time of day for **Mixed Pollen Beetles**

Insect	Count of Description
150x 7-spot ladybird	1214
B. terrestris hive	2622
Brassica pod midge	12166
Bumblebee and fruitfly	27738
Cabbage root fly	2330
Cabbage seed weevils	7214
Cabbage Stem Weevil	18335
Creeps4U C. vomitoria	3590
Creeps4U L. sericata	11625
Houseflies	7826
Internal Test	351
Jap. Beetle + SCRW	284
Japanese Beetle	11423
Katz Biotech Suzukii	143105
Male B. terrestris	11207
Mixed D. suzukii	3085
Mixed Pollen Beetles	17552
Non-insect	116
Peach potato aphid	6603
Pollen beetle parasitoids	23431
Red-tailed bee	6530
Southern Corn Rootworm	11799
Unlabelled	699641
Total	**1029787**



Insects Collected

1.03M

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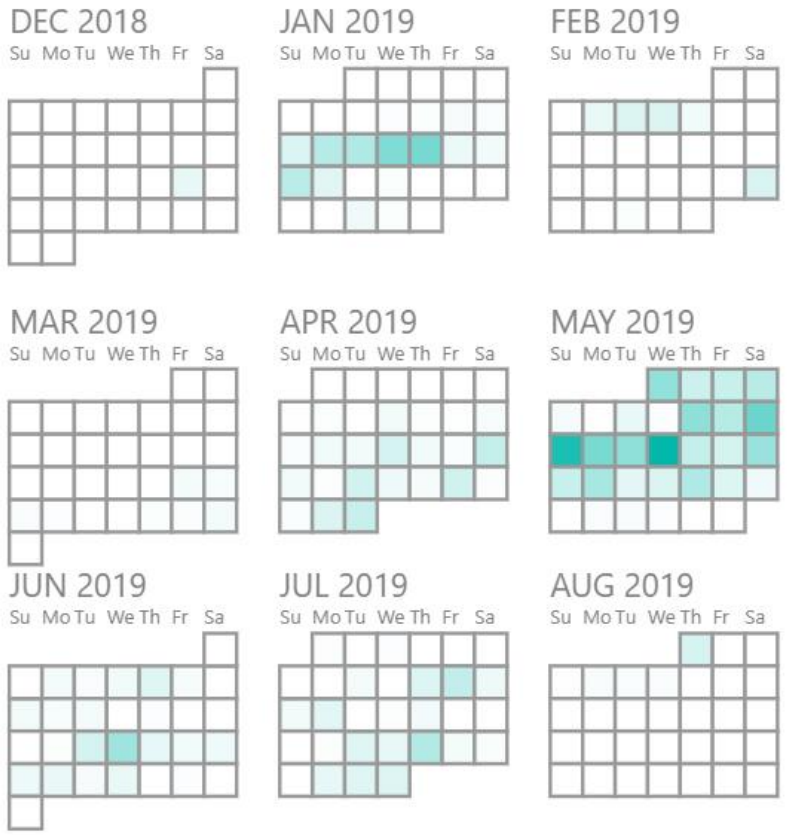
Count of Description by date



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