In [8]:
```
import pandas as pd

# Read and store content of an excel file
#df = pd.read_excel ("Ant16Data.xlsx")

# Write the dataframe object into csv file
#df.to_csv ("Ant16Data.csv", index = None, header=True)
```

In [9]:
```
df = pd.read_csv('Ant16Data.csv')
df.head()
```

Out[9]:

		COMP	LOC	WMC	DIT	NO
0	org.apache.tools.ant.taskdefs.XSLTLoggerAware....	-0.730244	-0.896416	-0.584162	-0.14639
1	org.apache.tools.ant.taskdefs.Recorder.java	-0.235684	-0.205915	0.722329	-0.14639
2	org.apache.tools.ant.util.facade.Implementatio...	-0.674519	-0.723791	0.722329	0.24178
3	org.apache.tools.bzip2.CRC.java	1.779710	-0.378540	-0.584162	-0.14639
4	org.apache.tools.ant.taskdefs.optional.depend....	-0.477159	-0.378540	-1.237407	-0.14639

5 rows × 22 columns

In [11]:
```
df2 = pd.DataFrame(df.describe(include='all'))
#df.describe(include='all')
df2.to_excel("Ant16_Basicstats.xlsx")
```

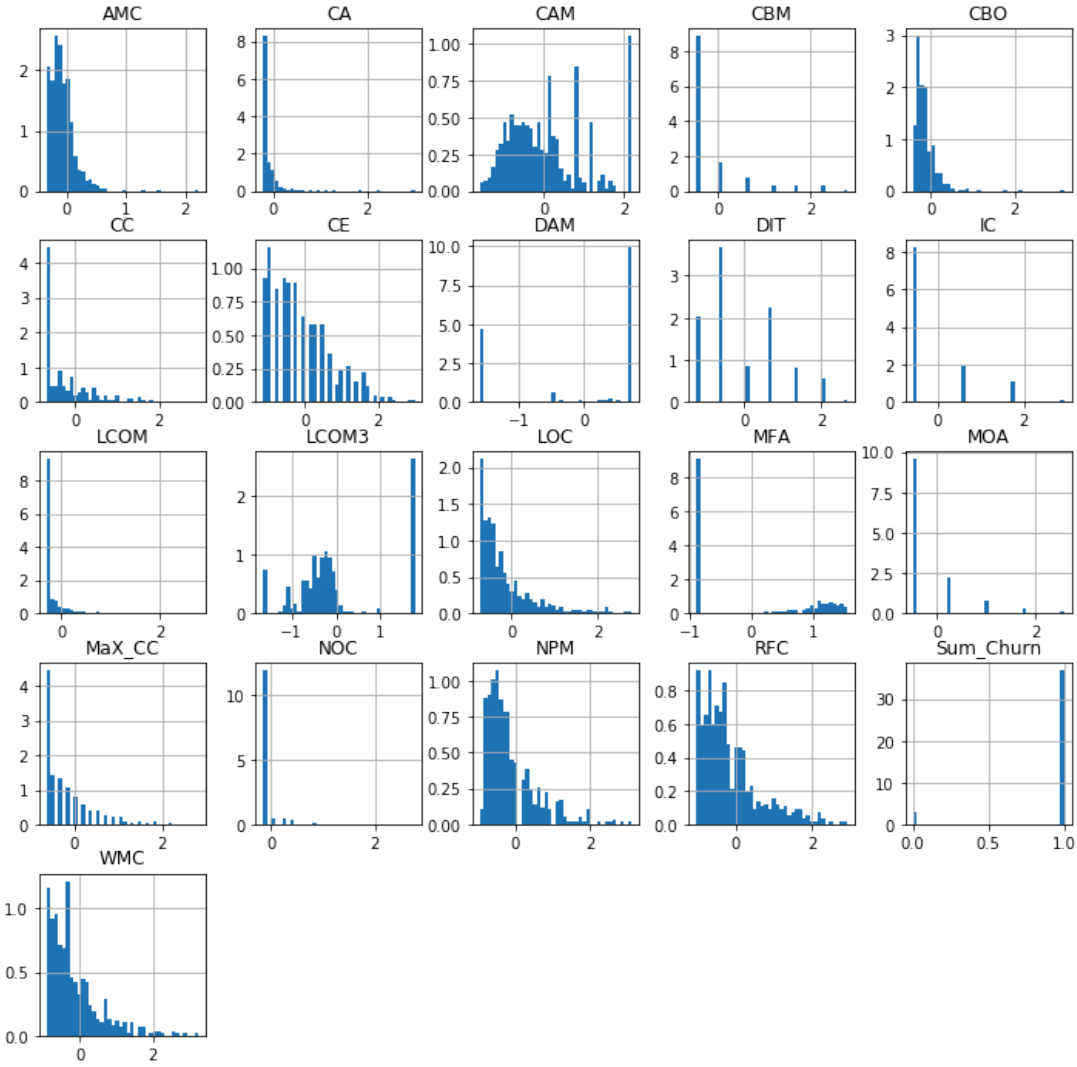
In [12]:
```
df["Sum_Churn"].median()
```

Out[12]: 1.0

In [13]:
```
df["Sum_Churn"].skew()
```

Out[13]: -3.2056892081705097

In [14]:
```
import matplotlib.pyplot as plt
df.hist(bins=40, figsize=(12,12), density=True)
fig1 = plt.gcf()
plt.show()
plt.draw()
fig1.savefig('Ant16_Distribution.png', dpi=100)
```




```
<Figure size 432x288 with 0 Axes>
```

In [ ]:

In [ ]: