In [1]:
```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import plotly.express as px
```

In [2]:
```
df = pd.read_csv('annual-change-forest-area.csv')
df
```

Out[2]:

	Entity	Code	Year	Net forest conversion
0	Algeria	DZA	1990	-8800.0
1	Algeria	DZA	2000	33900.0
2	Algeria	DZA	2010	7600.0
3	Algeria	DZA	2015	-1400.0
4	Argentina	ARG	1990	-182600.0
...	...	...	...	...
470	Zambia	ZMB	2015	-188210.0
471	Zimbabwe	ZWE	1990	-46070.0
472	Zimbabwe	ZWE	2000	-46070.0
473	Zimbabwe	ZWE	2010	-46070.0
474	Zimbabwe	ZWE	2015	-46070.0

475 rows × 4 columns

In [3]:
```
df.isna().sum()
```

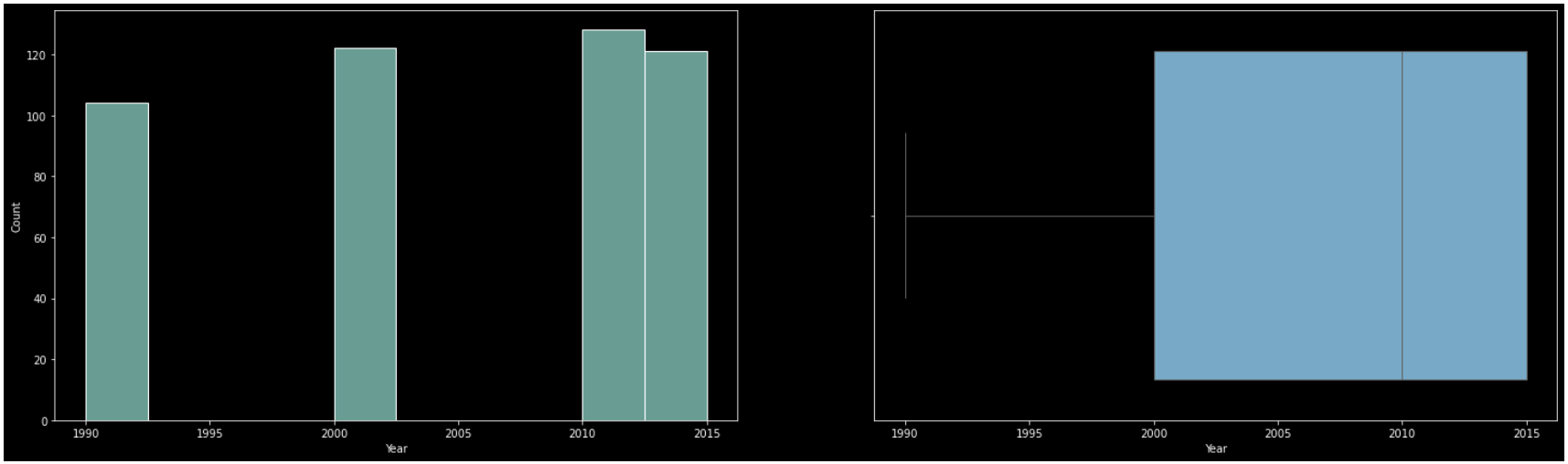
Out[3]:
```
Entity                   0
Code                     8
Year                     0
Net forest conversion    0
dtype: int64
```

In [4]:
```
df.head(5)
```

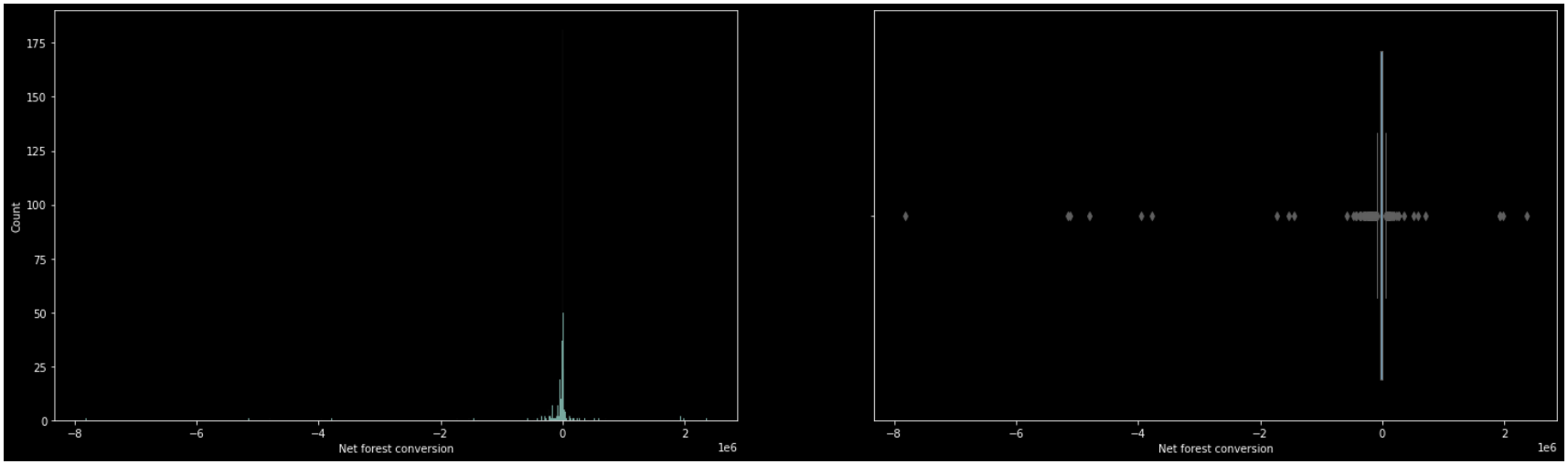
Out[4]:

	Entity	Code	Year	Net forest conversion
0	Algeria	DZA	1990	-8800.0
1	Algeria	DZA	2000	33900.0
2	Algeria	DZA	2010	7600.0
3	Algeria	DZA	2015	-1400.0
4	Argentina	ARG	1990	-182600.0

In [5]:
```
import scipy.stats as stats
plt.style.use('dark_background')
fig = plt.figure(figsize = (25,7))
plt.subplot(1,2, 1)
sns.histplot(df['Year'])

plt.subplot(1,2, 2)
alx = sns.boxplot(x=df['Year'],palette ='Blues',linewidth =1)

plt.show()
```

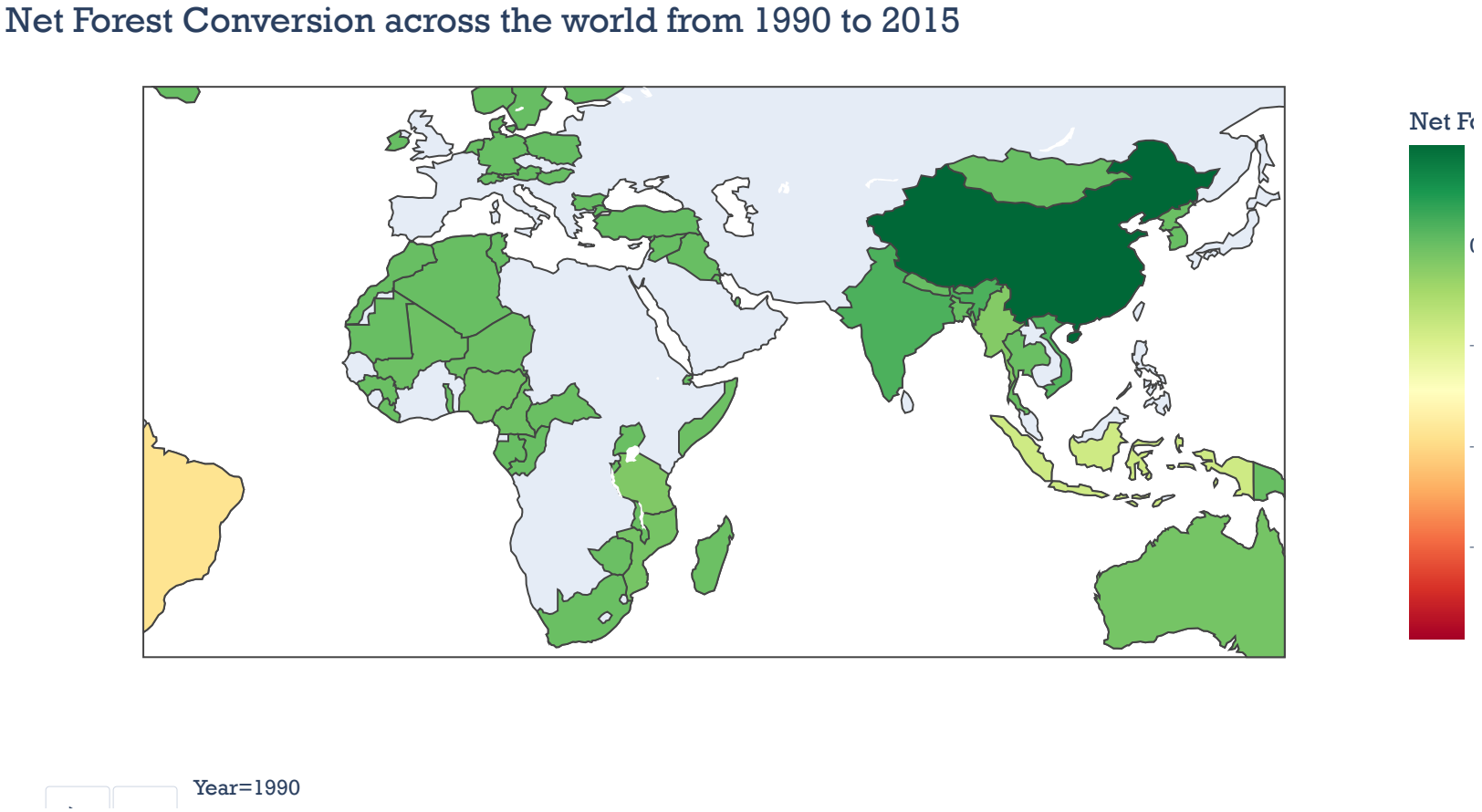


In [6]:
```
plt.style.use('dark_background')
fig = plt.figure(figsize = (25,7))
plt.subplot(1,2, 1)
sns.histplot(df['Net forest conversion'])

plt.subplot(1,2, 2)
alx = sns.boxplot(x=df['Net forest conversion'],palette ='Blues',linewidth =1)

plt.show()
```

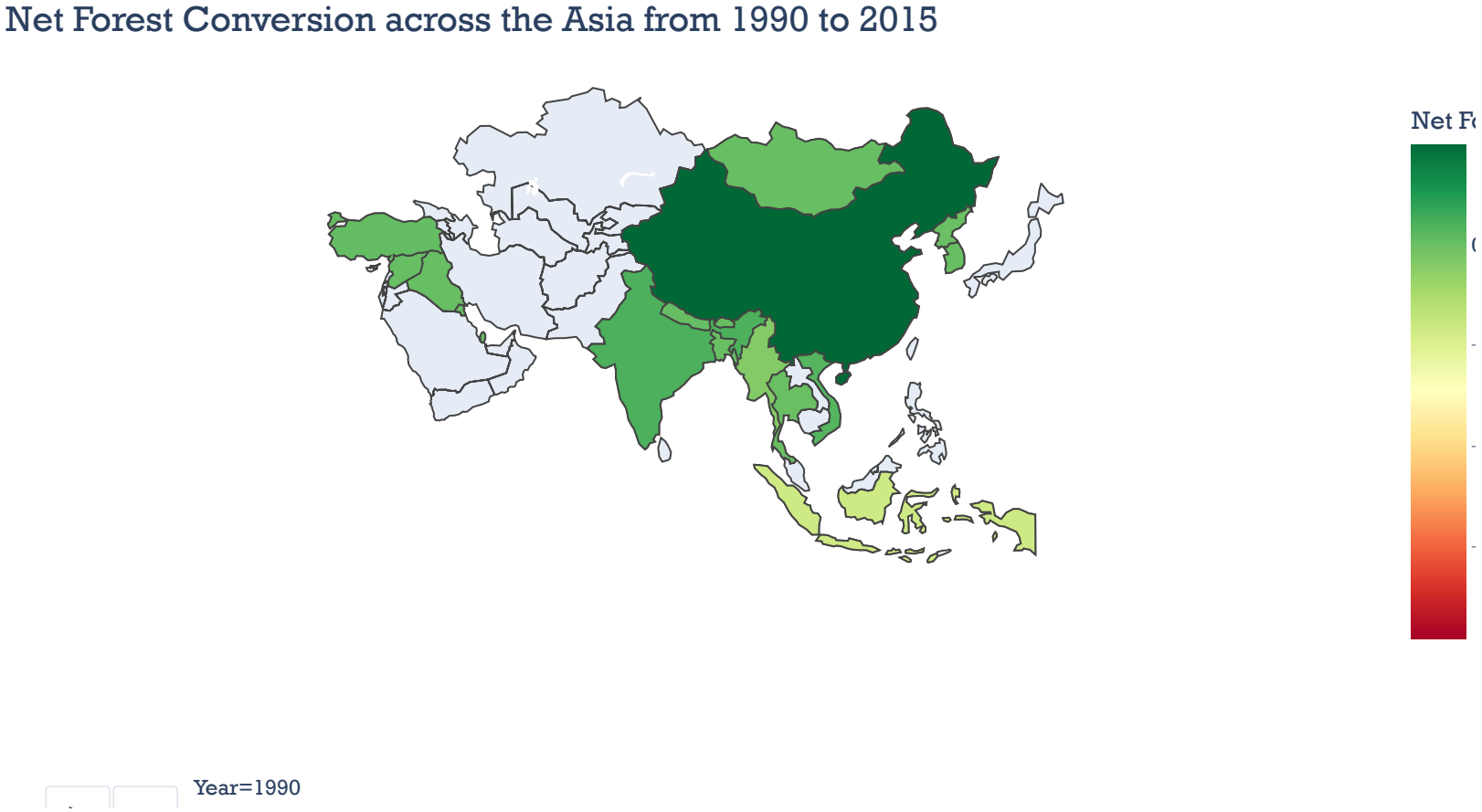


In [7]:
```
def plot_net_conv(scope,title):
    fig = px.choropleth(
        df,
        locations ="Code",
        color ="Net forest conversion",
        hover_name ="Entity",
        scope=scope,
        color_continuous_scale='RdYlGn',
        animation_frame ="Year")

    fig.update_layout(title_text=title,
        font_family="Rockwell",
        title_font_size=20,
        coloraxis_colorbar=dict(
            title='Net Forest Conversion'))

    fig.show()
```

In [14]:
```
plot_net_conv('world','Net Forest Conversion across the world from 1990 to 2015')
```



In [15]:
```
plot_net_conv('asia','Net Forest Conversion across the Asia from 1990 to 2015')
```



In [18]:
```
from IPython.display import display,HTML
c1,c2,f1,f2,fs1,fs2=\
'#eb3434','#eb3446','Akronim','Smokum',30,15
def dhtml(string,fontcolor=c1,font=f1,fontsize=fs1):
    display(HTML("""<style>
    @import 'https://fonts.googleapis.com/css?family="""\
    +font+"""&effect=3d-float';</style>
    <h1 class='font-effect-3d-float' style='font-family:"""+\
    font+"""; color:"""+fontcolor+"""; font-size:"""+\
    str(fontsize)+"""px;'>%s</h1>"""%string))


dhtml('Deforestation and Forest Loss · WORLD vs ASIA' )
```

Deforestation and Forest Loss · WORLD vs ASIA

In [ ]:
```
```