

**Query 1:** At what percentage ice free land surface is used for growing crops

**Search Layer:**

	Metadatas	Documents	Distances	IDs	Reranked_scores
0	{'Page_No.': 'Page 112', 'filing_name': 'Plane... Ice — Julian Dowdeswell With an average surfa...		0.314146	111	-9.258108
1	{'filing_name': 'Planet_Earth', 'Page_No.': 'P... Land — Navin Ramankutty and Hannah Wittman Ou...		0.344902	205	-2.087678
2	{'Page_No.': 'Page 114', 'filing_name': 'Plane... often being the last to become clear of ice. A...		0.353272	113	-7.688014

**Final Generated Layer Output:**

```
'About 40% of the world's ice-free land surface is used for growing crops or grazing animals.'
```

```
[ ] results = {'question':query,'answer':response.choices[0].message.content}
```

```
[ ] results
```

```
{'question': 'At what perecentage ice free land surface is used for growing crops',  
  'answer': "About 40% of the world's ice-free land surface is used for growing crops or grazing animals."}
```

**Query 1 Result:**

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**Question:** At what perecentage ice free land surface is used for growing crops

**Answer:** About 40% of the world's ice-free land surface is used for growing crops or grazing animals.

## Query 2: what is the global average rise of sea level rise

### Search Layer:

	Metadatas	Documents	Distances	IDs	Reranked_scores
0	{'filing_name': 'Planet_Earth', 'Page_No.': 'P... and groundwater supplies in low-lying coastal ...		0.213172	154	-10.171543
1	{'Page_No.': 'Page 153', 'filing_name': 'Plane... gravitational field, affecting sea level diffe...		0.230776	152	-10.484325
2	{'filing_name': 'Planet_Earth', 'Page_No.': 'P... And we may see even more dramatic changes over...		0.252099	155	-10.212143

### Final Generated Layer Output:

```
response.choices[0].message.content
```

'The global average rise of sea level was 1.4 mm per year between 1901 and 1990. From 2006 to 2015, the sea level rise increased to 3.6 mm per year, which is about 2.5 times the rate seen in much of the twentieth century. Predictions for future sea level increases suggest a global rise of between 0.4 m and about 1 m by 2100 for low and high greenhouse-gas emission scenarios, respectively.'

```
[ ] another_result = {'question':query2, 'answer':response.choices[0].message.content}
```

another\_result

```
{'question': 'what is the global average rise of sea level rise',  
'answer': 'The global average rise of sea level was 1.4 mm per year between 1901 and 1990. From 2006 to 2015, the sea level rise increased to 3.6 mm per year, which is about 2.5 times the rate seen in much of the twentieth century. Predictions for future sea level increases suggest a global rise of between 0.4 m and about 1 m by 2100 for low and high greenhouse-gas emission scenarios, respectively.'}
```

**Query 2 Result:**

**Question:** what is the global average rise of sea level rise

**Answer:** The global average rise of sea level was 1.4 mm per year between 1901 and 1990. From 2006 to 2015, the sea level rise increased to 3.6 mm per year, which is about 2.5 times the rate seen in much of the twentieth century. Predictions for future sea level increases suggest a global rise of between 0.4 m and about 1 m by 2100 for low and high greenhouse-gas emission scenarios, respectively.

### Query 3: When was the first IPCC report appeared

#### Search Layer:

	Metadatas	Documents	Distances	IDs	Reranked_scores
0	{'Page_No.': 'Page 184', 'filing_name': 'Plane... If it takes a village to ensure the well-being...		0.295294	183	-10.980108
1	{'Page_No.': 'Page 86', 'filing_name': 'Planet... 12. IPCC, 'Summary for policymakers', in Globa...		0.311781	85	-11.326469
2	{'Page_No.': 'Page 14', 'filing_name': 'Planet... when the UN's Intergovernmental Panel on Clima...		0.314651	13	-9.628475

#### Final Generated Layer Output:

```
response.choices[0].message.content
'The first IPCC Assessment Report was released in 1990.'

[ ] q3_result = {'question':query3, 'answer':response.choices[0].message.content}

[ ] q3_result
{'question': 'When was the first IPCC report appeared',
 'answer': 'The first IPCC Assessment Report was released in 1990.'}

Query 3 Result:
Question: When was the first IPCC report appeared?
Answer: The first IPCC Assessment Report was released in 1990.
```