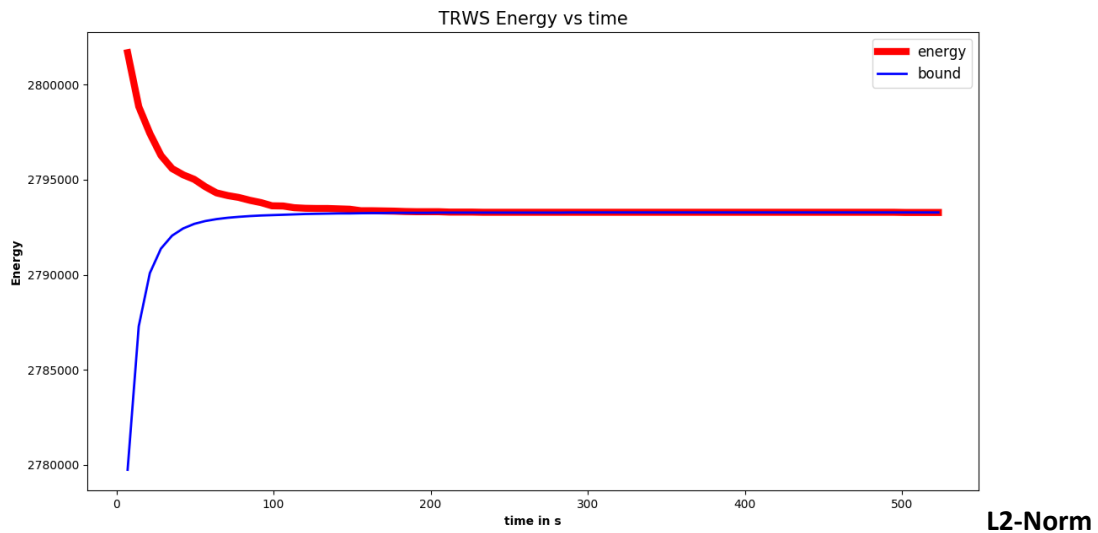
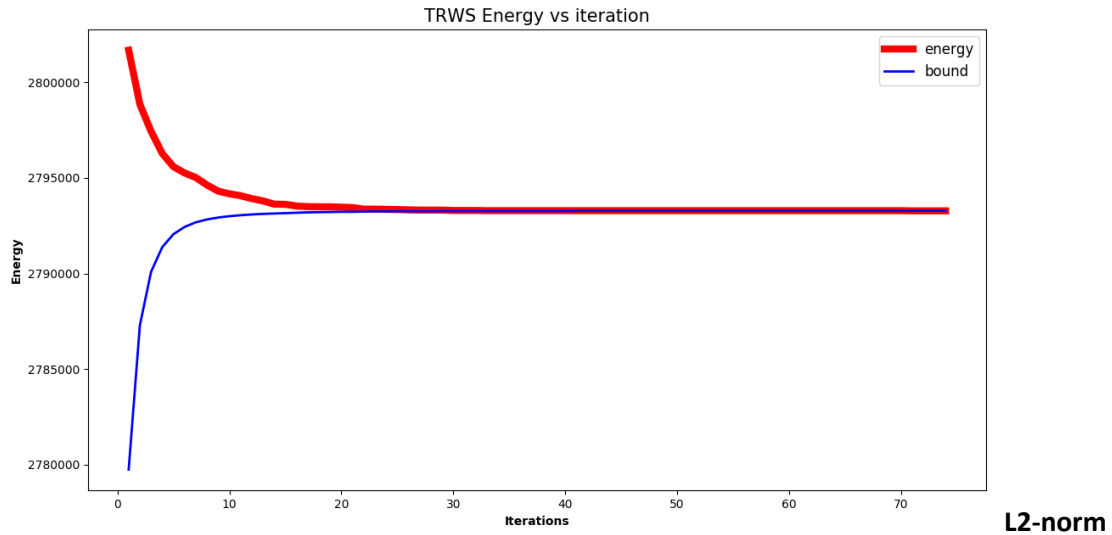


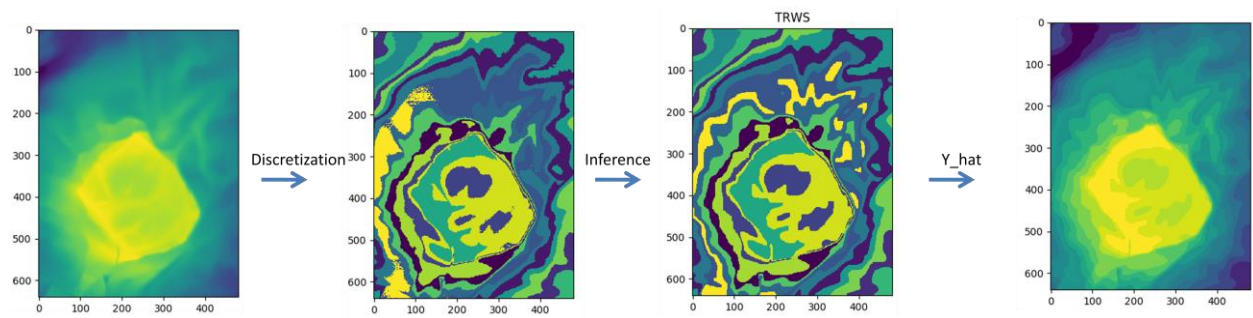
## Experimental results 23/11/2017

**Note:** X-means clustering outputs 16 clusters based on Bayesian Information criterion

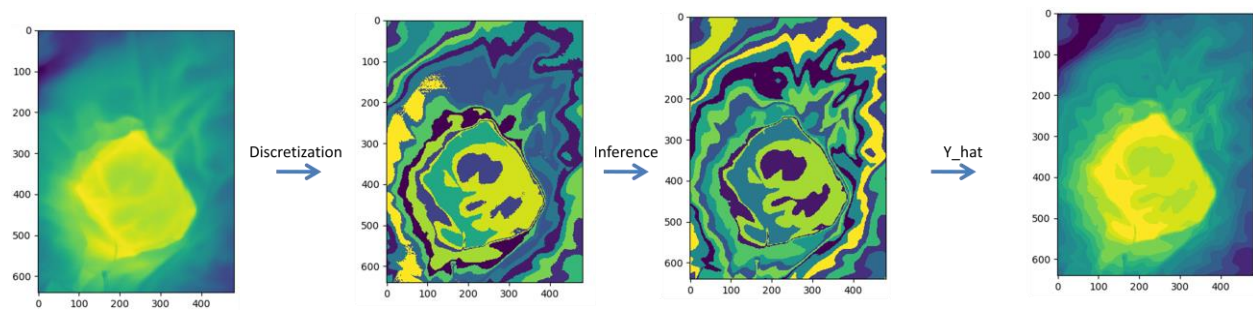
Clusters	Unary potential	Energy	Bound	Time	Inference	MSE (spatial regularization)	MSE (After Spline regression)
16	<b>L2 norm</b>	2799564.211	2799564.211	562.150887	TRWS	0.087881177	0.006581554
16	<b>L1 norm</b>	77766035.65	77766035.65	61.97130489	TRWS	0.086809411	0.006581554
16	<b>Trunc L1 norm</b>	77635120.4	77635120.4	68.2366	TRWS	0.086589682	0.006581554
16	<b>Trunc L2 norm</b>	2826694.339	2826694.339	1108.754432	TRWS	0.087834305	0.006581554
16	<b>max norm</b>	260515.9684	260488.1438	7896.681573	TRWS	0.195422231	0.006581554
16	<b>Canberra distance</b>	1579158.082	1579158.082	1535.949116	TRWS	0.090205609	0.006581554



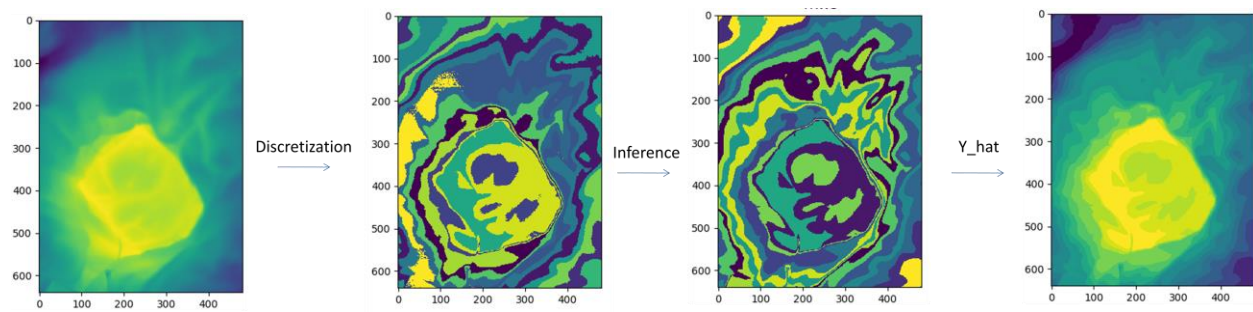
## L2 Norm



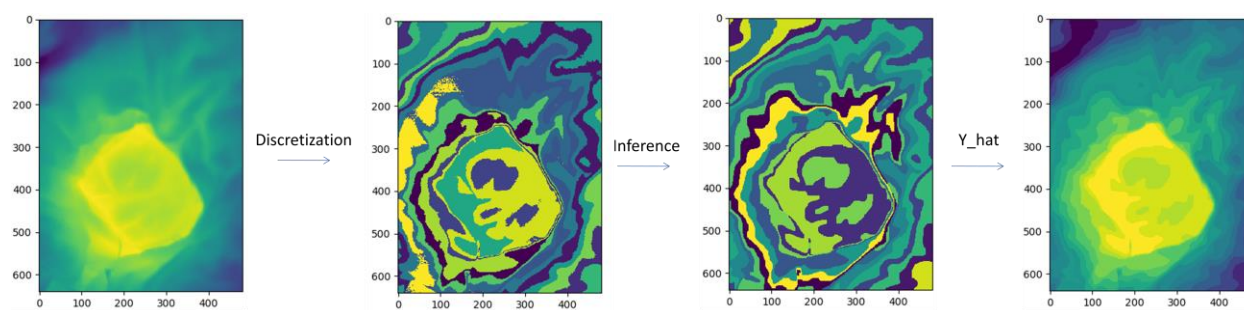
## L1 Norm



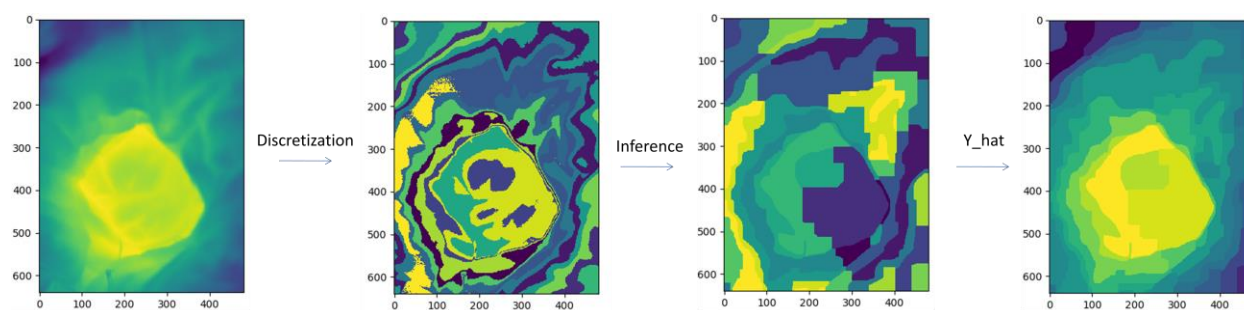
## Trunc L1 Norm



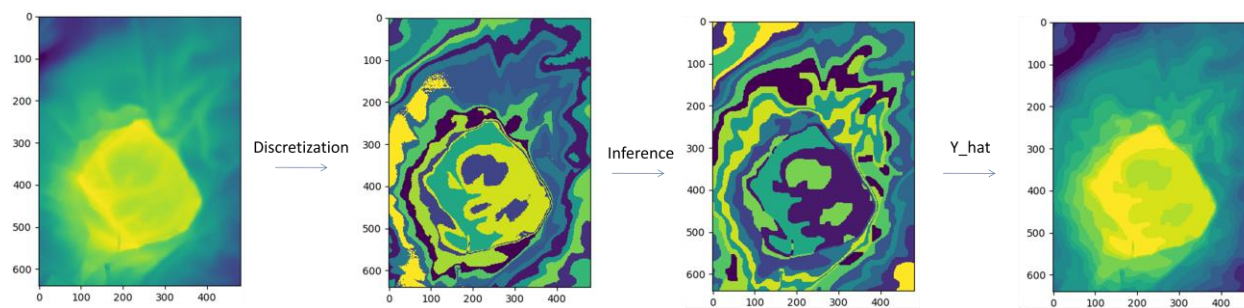
## Trunc L2 Norm



**Max norm**

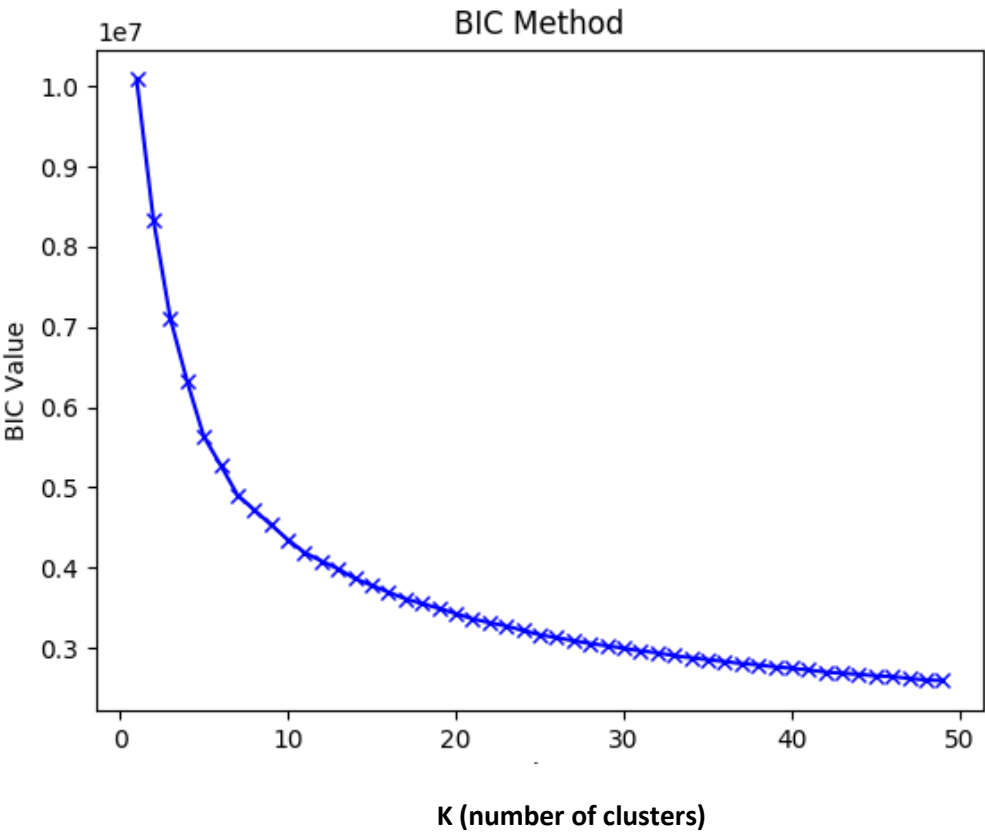


**Canberra distance**

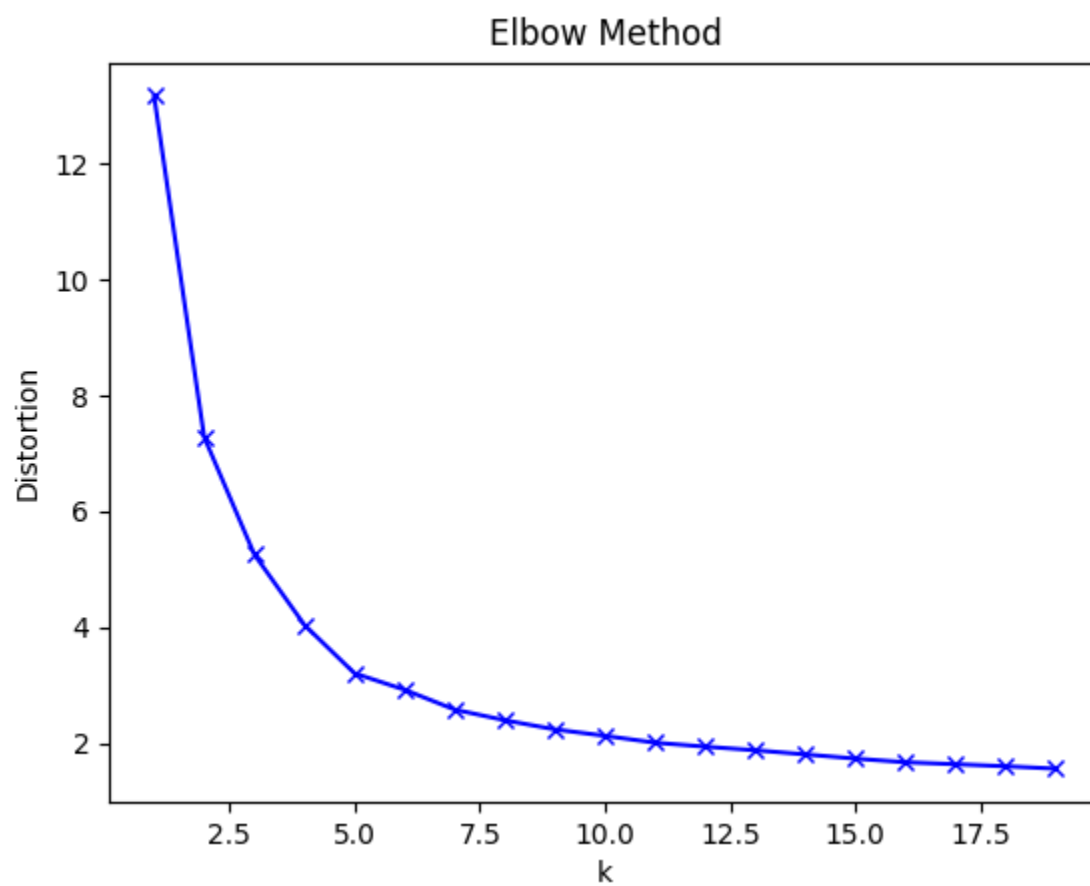
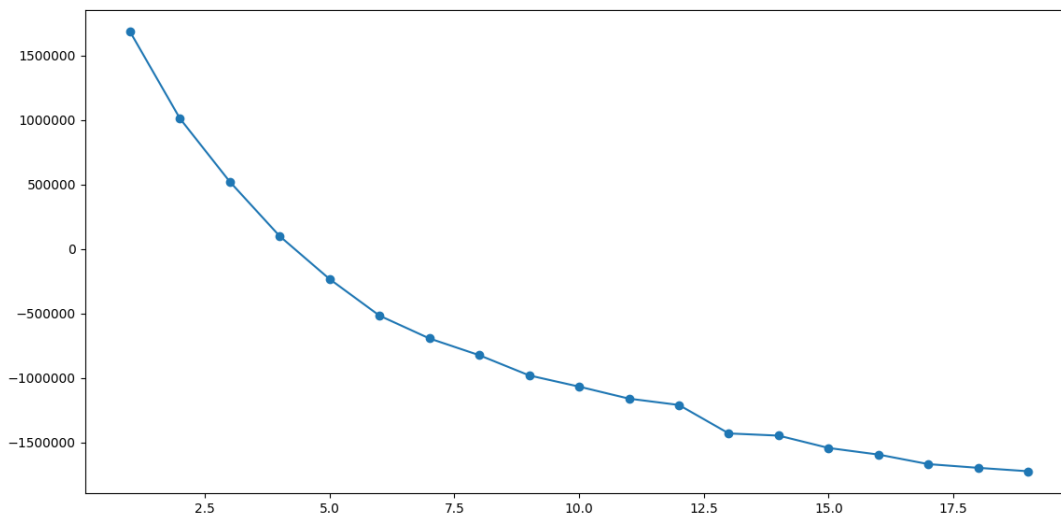


**BIC Score**

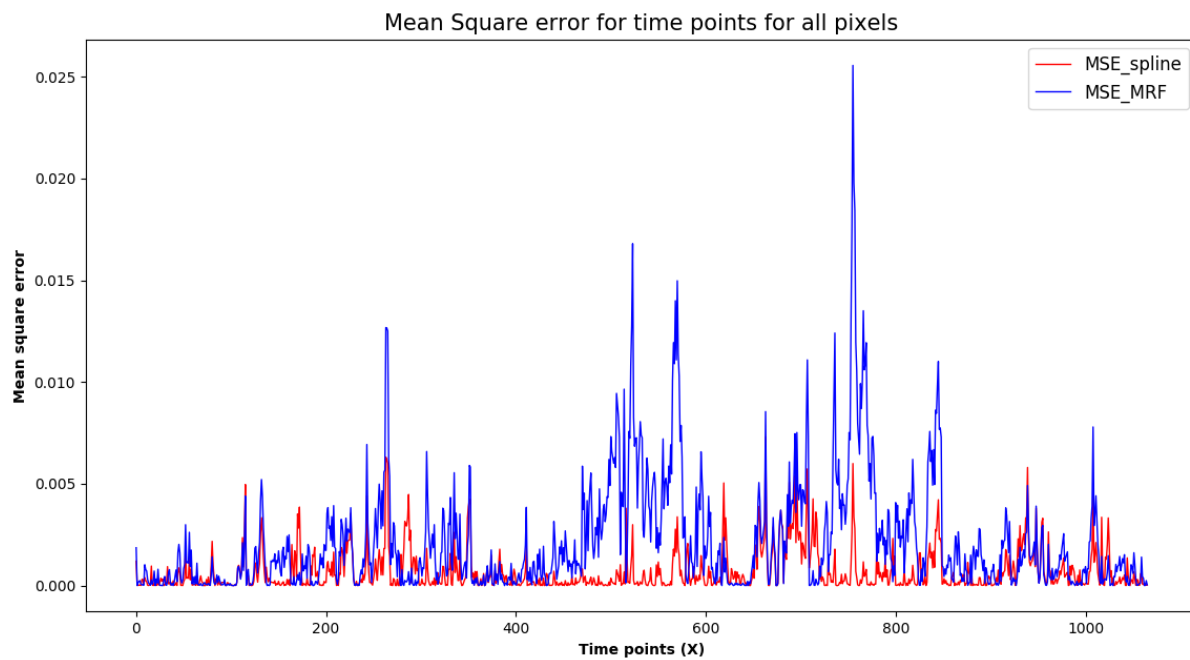
Clusters	BIC Score
1	10083779.95
2	8338981.924
3	7115868.996
4	6328803.102
5	5635551.054
6	5279843.674
7	4907976.466
8	4722367.095
9	4535207.229
10	4351427.611
11	4188997.207
12	4084571.096
13	3986733.357
14	3865169.447
15	3781439.231
16	3695057.08
17	3614131.627
18	3553362.02
19	3494655.121
20	3429524.925



AIC Score



**MSE After spline vs MSE after MRF**



### Averaged time courses after spline estimate vs after MRF estimate

