

Aerosol of Forest Fire in Kalimantan, Indonesia on 2018

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Aims

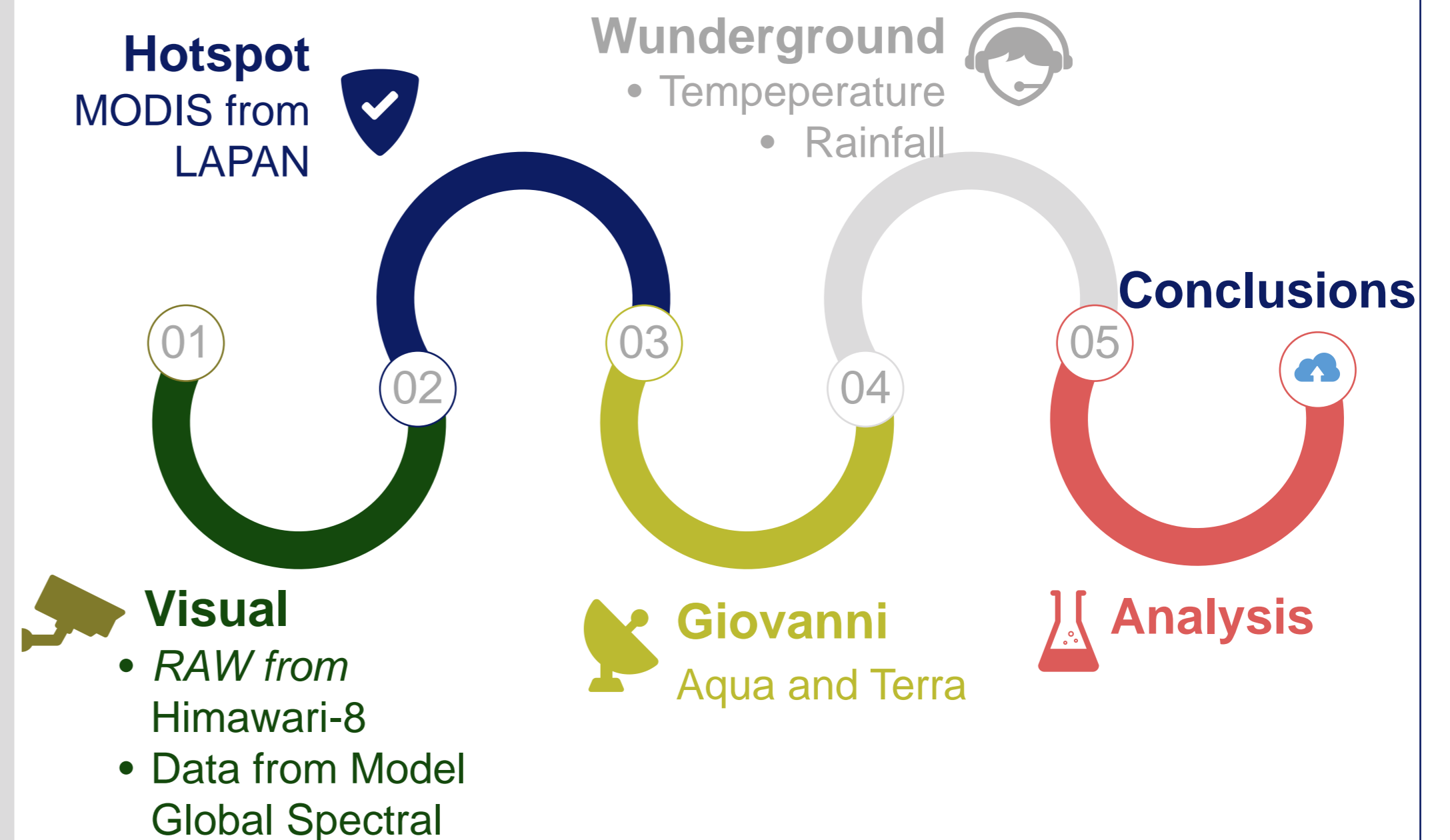
- To analyze Kalimantan's peak moment of forest fire on August 2018 by using satellite data of Himawari-8 and Modis for Aqua-Terra
- To analyze impact of forest fire to air quality in Kalimantan by aerosol data satellite



References

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- Holben, B., Eck, T., Slutsker, I., Tanre, D., Buis, J., Setzer, A., Vermote, E., Reagan, J., Kaufman, Y., Nakajima, T., 1998. AERONETda federated instrument network and data archive for aerosol characterization. *Remote Sens. Environ.* 66 (1), 1-16.

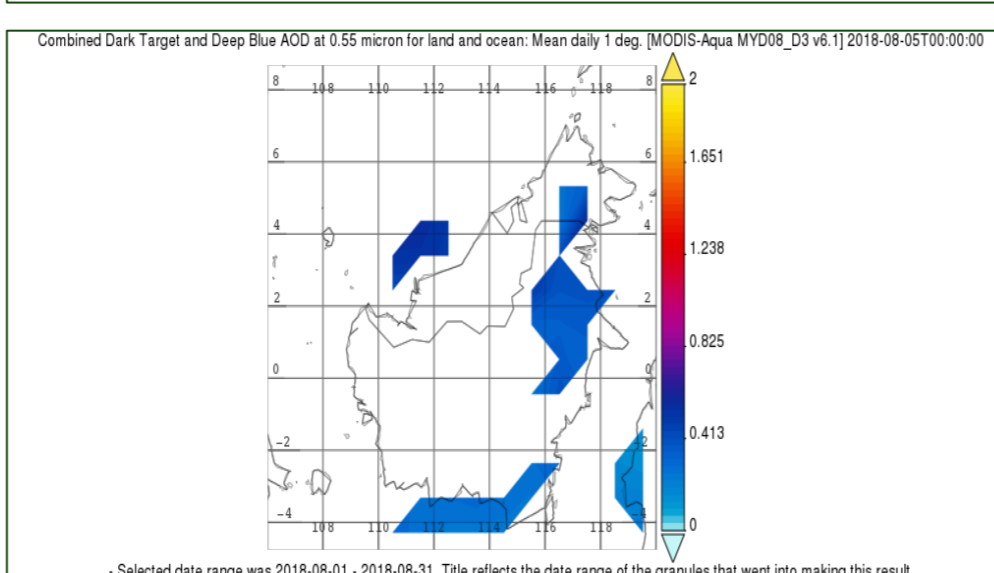
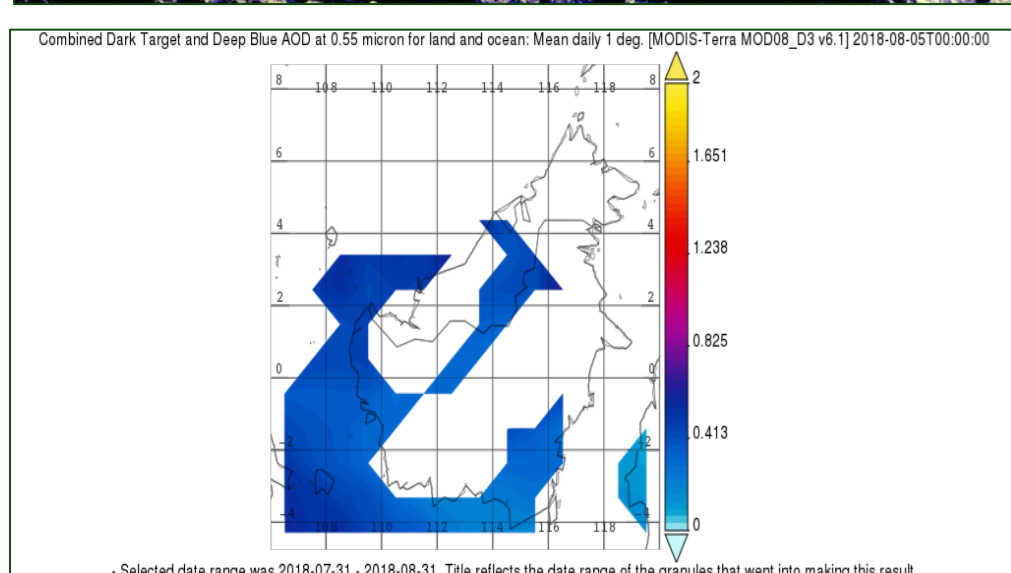
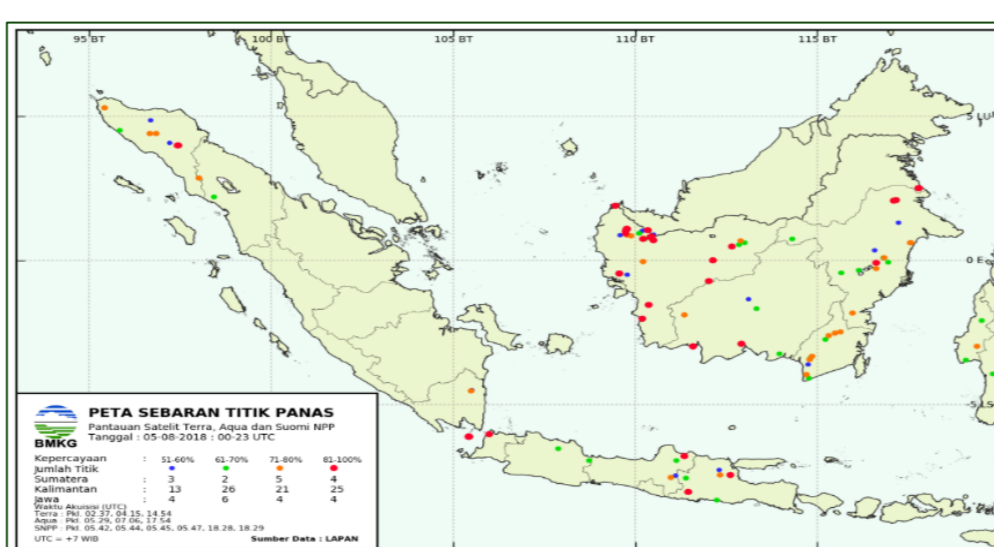
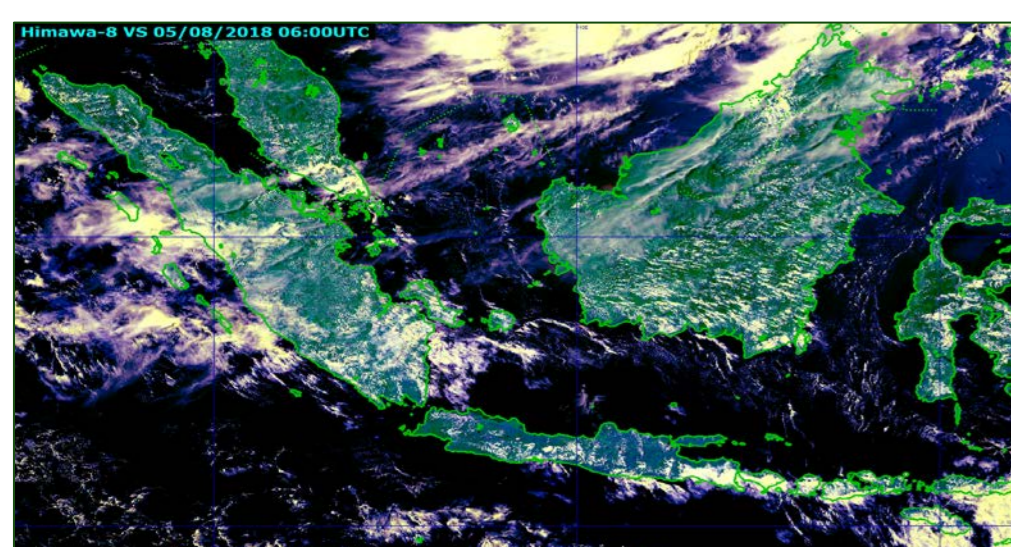
Methodology



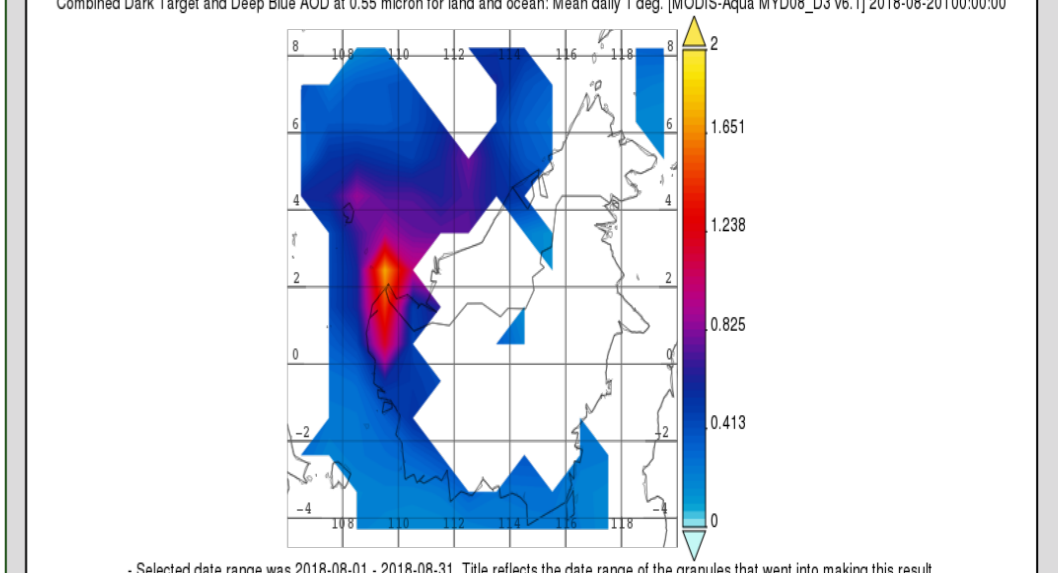
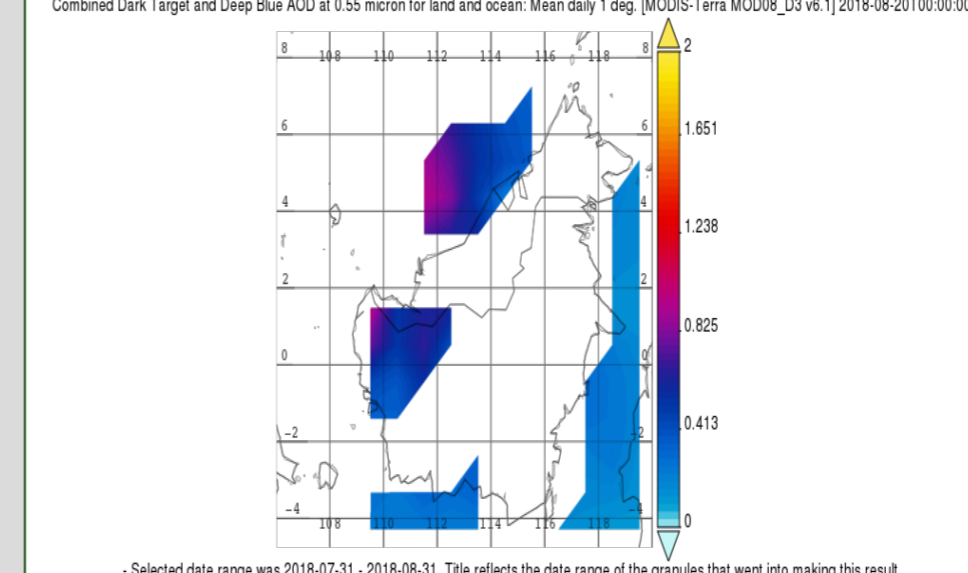
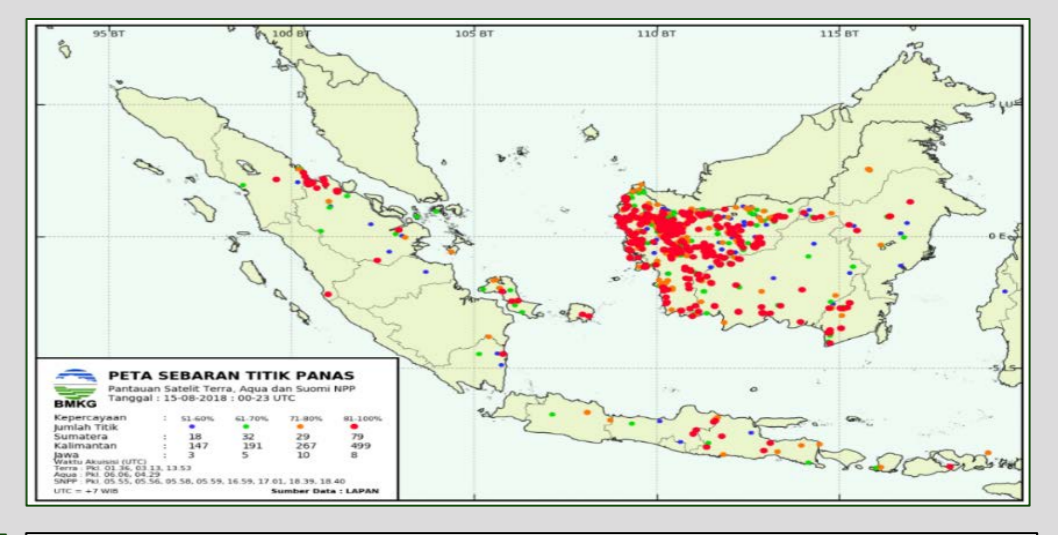
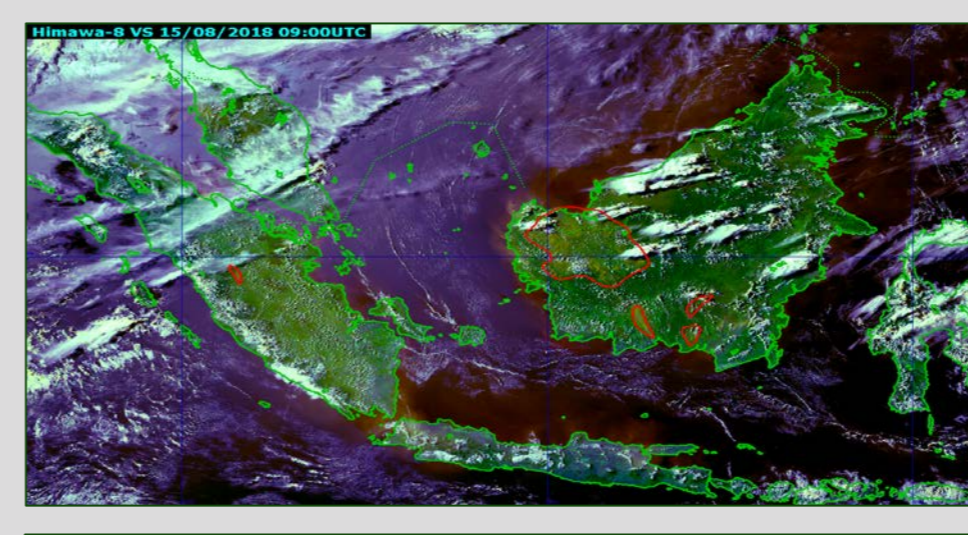
5th August 2018



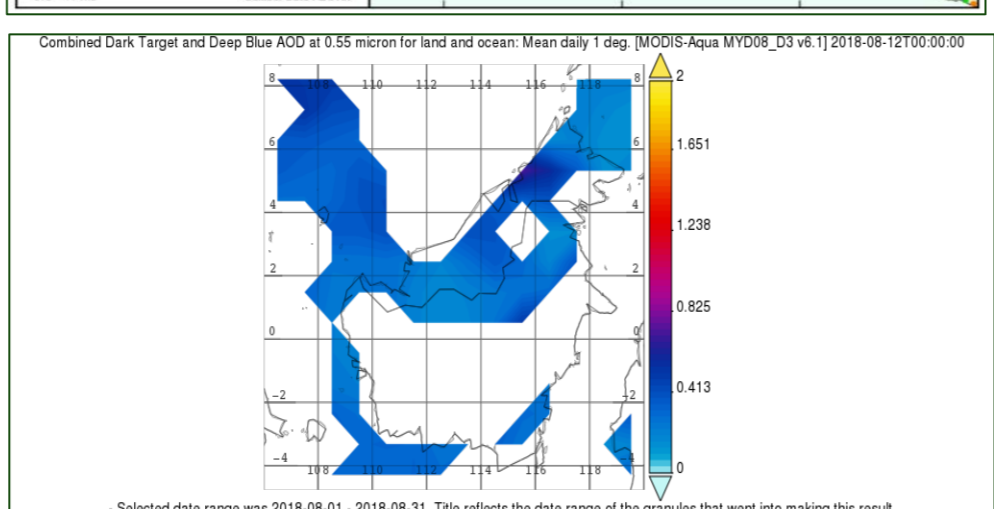
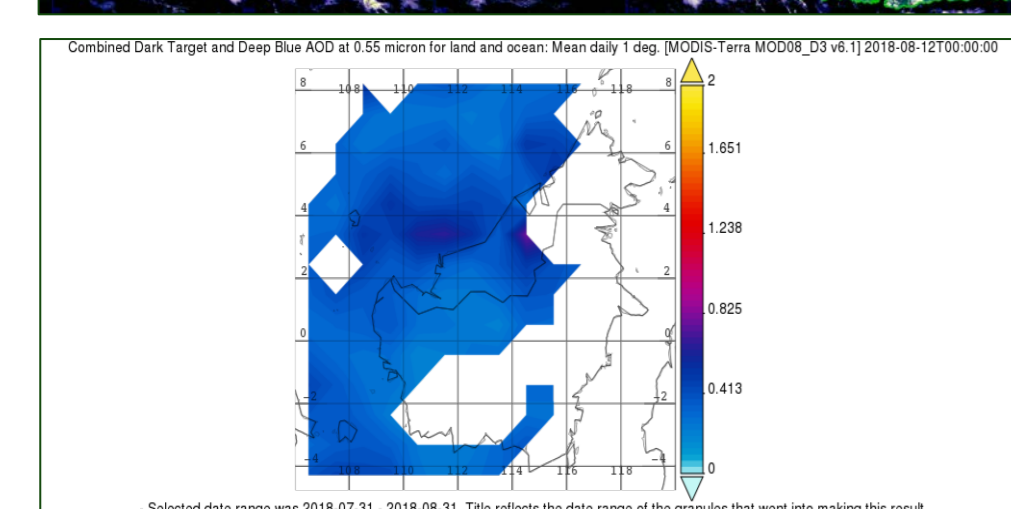
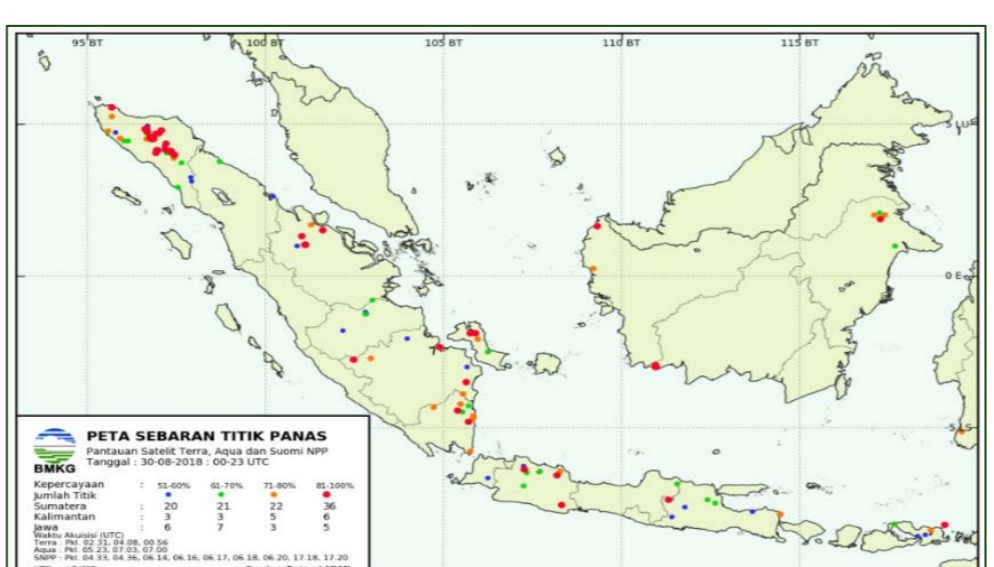
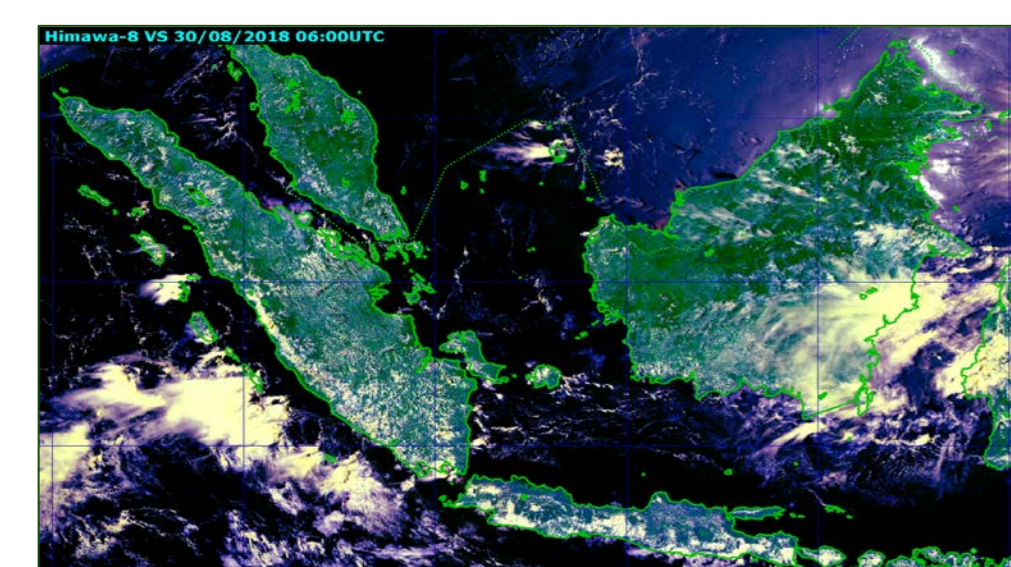
Results and Conclusions



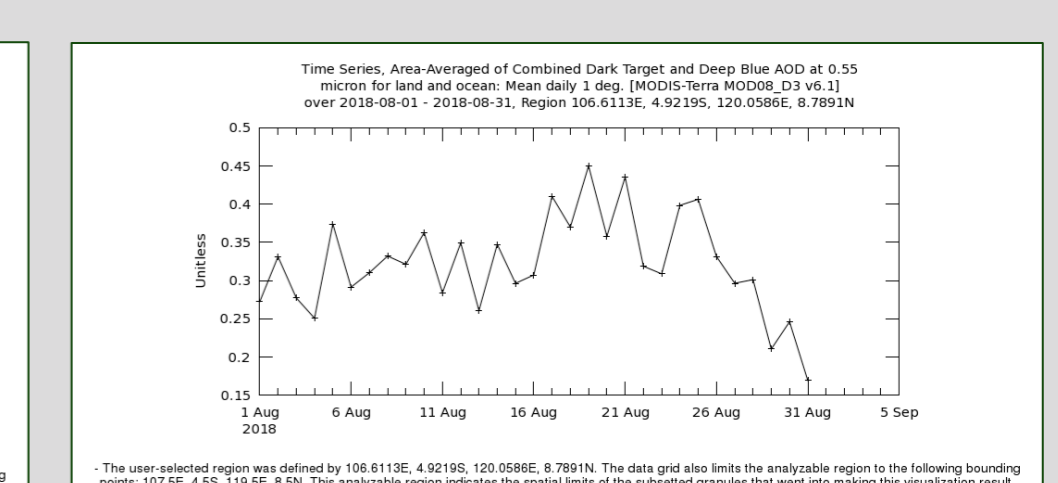
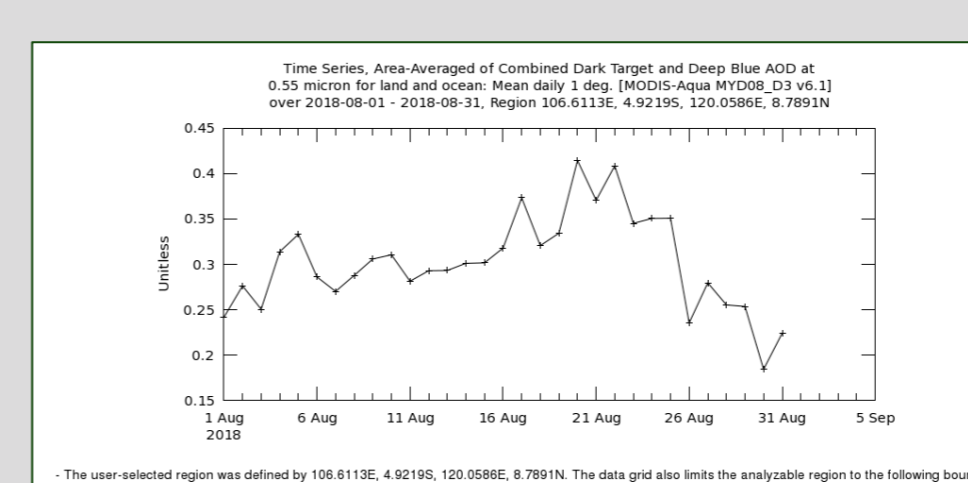
20th August 2018



12th August 2018



Conclusions



The result shows number of hotspot in Kalimantan is highly increase from 12 to 20 August 2018. Aerosol trend line is high during the peak of forest fire on 16 to 25 August 2018 in nighttime. Meanwhile in the daytime, it shows similar pattern.