**Session 6: Course Review - Transcript**

Slide 1:

Welcome to this final review session of the TAMSAT-ALERT training course.

Slide 2:

As laid out at the start, the TAMSAT-ALERT training course aimed to address these five learning objectives. We aimed to give you a good overview of all aspects of TAMSAT-ALERT forecasting including: the relevance of TAMSAT-ALERT soil moisture and WRSI to the impacts of drought, the methodology behind TASMAT-ALERT soil moisture and WRSI estimation and the approach taken to forecast these metrics, the correct interpretation of TAMSAT-ALERT forecasts and the ability to produce these for yourself.

Slide 3:

In session 2, we covered the validation of TAMSAT-ALERT for drought impact-based forecasting. We identified two key requirements for forecasts to effectively support forecast-based action, the relevance of the metric to the impacts of drought and the ability to forecast these metrics with sufficient lead-time to allow action. Based on a validation of TAMSAT-ALERT soil moisture and WRSI forecasting, we concluded that TAMSAT-ALERT forecasts do indeed meet these requirements. However, we also highlighted certain considerations that should be made when utilising TAMSAT-ALERT forecasts. Overall, we concluded that TAMSAT-ALERT forecasts present a strong candidate to support forecast-based action.

Slide 4:

In session 3, Emily covered firstly the modelling of soil moisture and WRSI. You were introduced to the JULES land-surface model for estimating soil moisture and then the calculation of WRSI.

In the second part of the session, Emily explained the TAMSAT-ALERT forecasting approach, using the historic dataset to develop the forecast ensemble.

Slide 5:

In session 4, you worked through an activity to examine your interpretation of TAMSAT-ALERT forecasts. You were asked to examine four figures and explain what they meant. Following a presentation to highlight the important points of each figure, you were asked to reflect on your interpretation and amend your answers accordingly.

Slide 6:

Finally, in session 5, you developed your own forecasts based on the TAMSAT-ALERT data and thought about how you would present this to your own stakeholders.

Slide 7:

In summary, we have tried to provide you with an overview of TAMSAT-ALERT and it’s potential for impact-based forecasting. We hope that throughout the course, you have thought about the possible applications of TAMSAT-ALERT in your own work. If so, we would be happy to discuss further with you the potential use of TAMSAT-ALERT.

As mentioned in the welcome session, this was the first time we have delivered a talk like this. Therefore we would greatly appreciate any feedback you have – what you liked or disliked, and any suggestions you have for us to improve the course in future. We will be circulating a feedback form and hope that you will respond.

Thank you very much for taking part in the course. We hope you learnt something and enjoyed the process.