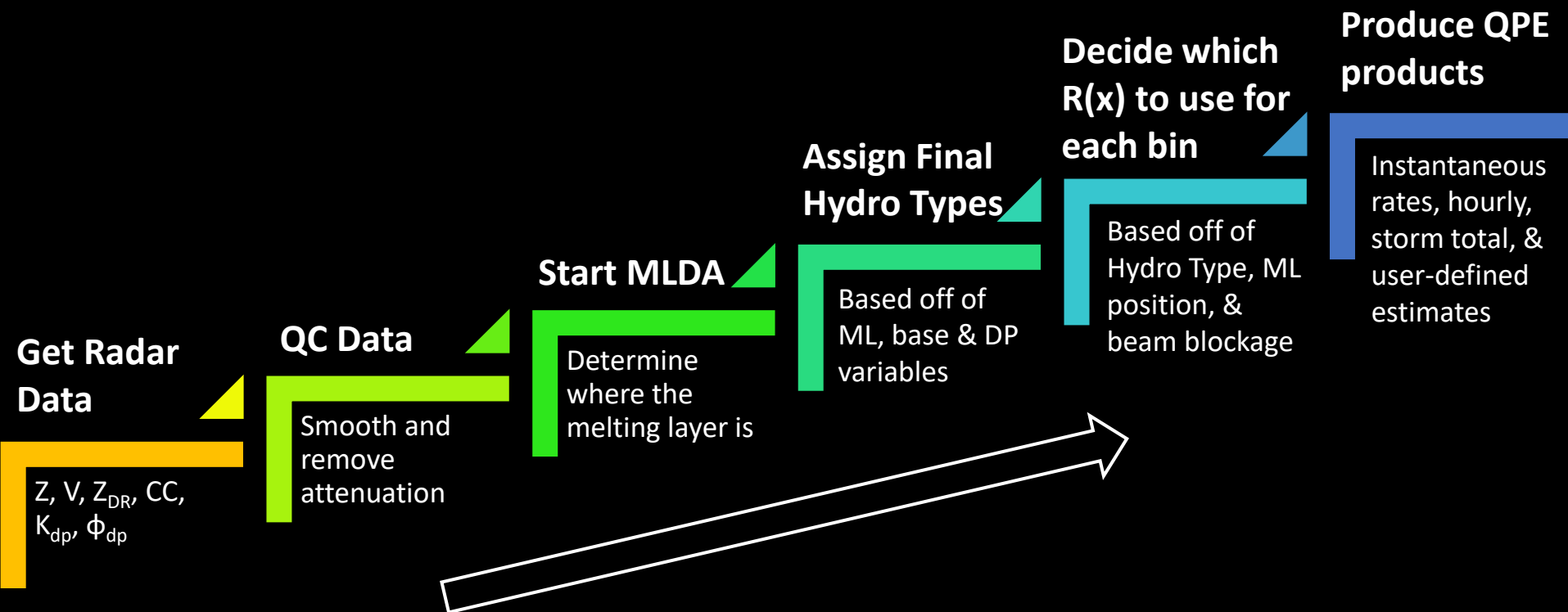


DP QPE Algorithm Summary



Rain Relationships Summary

- ❖ **$R(A)$** : For pure rain & best at low-to-moderate rain intensities
- ❖ **$R(K_{dp})$** : For rain mixed with hail and best in heavy rain
- ❖ **$R(Z, Z_{dr})$** : Used for pure rain when $R(A)$ fails or for small area above ML
- ❖ **$R(Z)$** : Mostly used for frozen hydrometeors at or above ML



DP QPE Tips

- ❖ Trust QPE performance **BELOW** the melting layer
- ❖ Use DPR for QC'ing totals and monitoring vulnerable areas
- ❖ SAILS & MRLE improve QPE estimates for fast moving or high rate storms - use them!