# 

What we're going to look at today.

A brief intro to the basics of RM before highlighting a few of the risks specific to digital media

Then a practical exercise to help you start thinking about your risks and how to mitigate them

Finally, will touch on a few advanced PM concepts and point out some useful resources



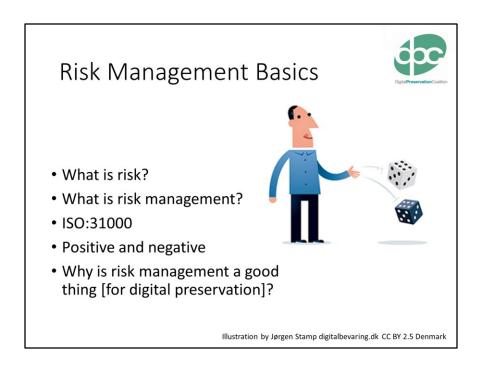
## What is Digital Preservation?

"the series of managed activities necessary to ensure continued access to digital materials for as long as necessary" (Beagrie & Jones, Digital Preservation Handbook)

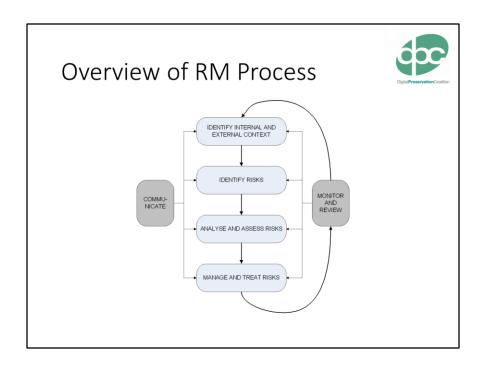


#### Basic definition of DP

'Managed activities' important, could be rephrased as managing the risks that threaten digital objects



- A risk relates to events or actions that may negatively impact on your collections or operations
- RM is the identification of these risks and their proactive management to reduce their likelihood and/or impact
- The main RM standard defines risks as "the effect of uncertainty on objectives"
- Risks and their management can be viewed from both a positive and negative perspective, planning for the management of risks can lead to the identification of benefits drawn from this work
- 2 major benefits of RM
  - A practical help in managing you digital collections can directly correlate to preservation steps/tasks
  - It is the language of senior executives helps engage with them and can be a tool in business planning and leveraging funding



#### 4 step cyclical process

#### Classic RM

Going to be concentrating on Identify Risks stage today - focus of exercise But important to understand in context

## **RM Basics**



- Identify risk
- Consider consequences
- Assign scores
- Determine mitigation
- Update scores
- Assign risk areas
- Define appetite
- Review periodically
- · Also remember 'opportunity' as well as 'risk'



- Identify risk, and the consequence of it happening
- Assign values to likelihood and impact
- Determine mitigation techniques
- (Some models) assign risk areas and define 'appetite'
- Review periodically
- Also remember 'opportunity' as well as 'risk'



## **Identifying Risks**



### Some examples of risks to digital media:

- File format obsolescence
- Media degradation (bit rot)
- Media obsolescence
- Hardware obsolescence
- Viruses
- Dissociation (loss of context)
- Network failures
- ...etc...



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# A Simple Risk Assessment



- Identify Risk
- Consequence
- Likelihood
- Impact
- Score
- Frequency/Proximity
- Owner
- Responses/Mitigation

- New Likelihood
- New Impact
- New Score
- Trend
- Frequency of Review



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# Example Risk

RISK	Contents of archive drive deleted by accident
Consequence	Data loss, Disassociation of other data sets
Likelihood	4
Impact	5
Score	20
Frequency	Weekly, sudden
Owner	Senior Information Risk Owner
Response	Regular tiered back-ups, integrity checking, access policy, strict control of permissions, staff training
New Likelihood	2
New Impact	2
New Score	4
Frequency of Review	Annual

