



Risk Management during King Arthur's time

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Agenda

- Background of Story
- Risk Management Planning
- Risk Identification
- Crawford Slip Technique
- Exercise 1: Use Crawford Slip Technique



Agenda (cont.)

- Continuation of Story
- Risk Qualification
- Exercise 2: Qualify 2 – 3 Risks
- Risk Response Planning
- Exercise 3: Plan Responses for 2 – 3 Risks
- Root Cause Analysis



Cast of Characters

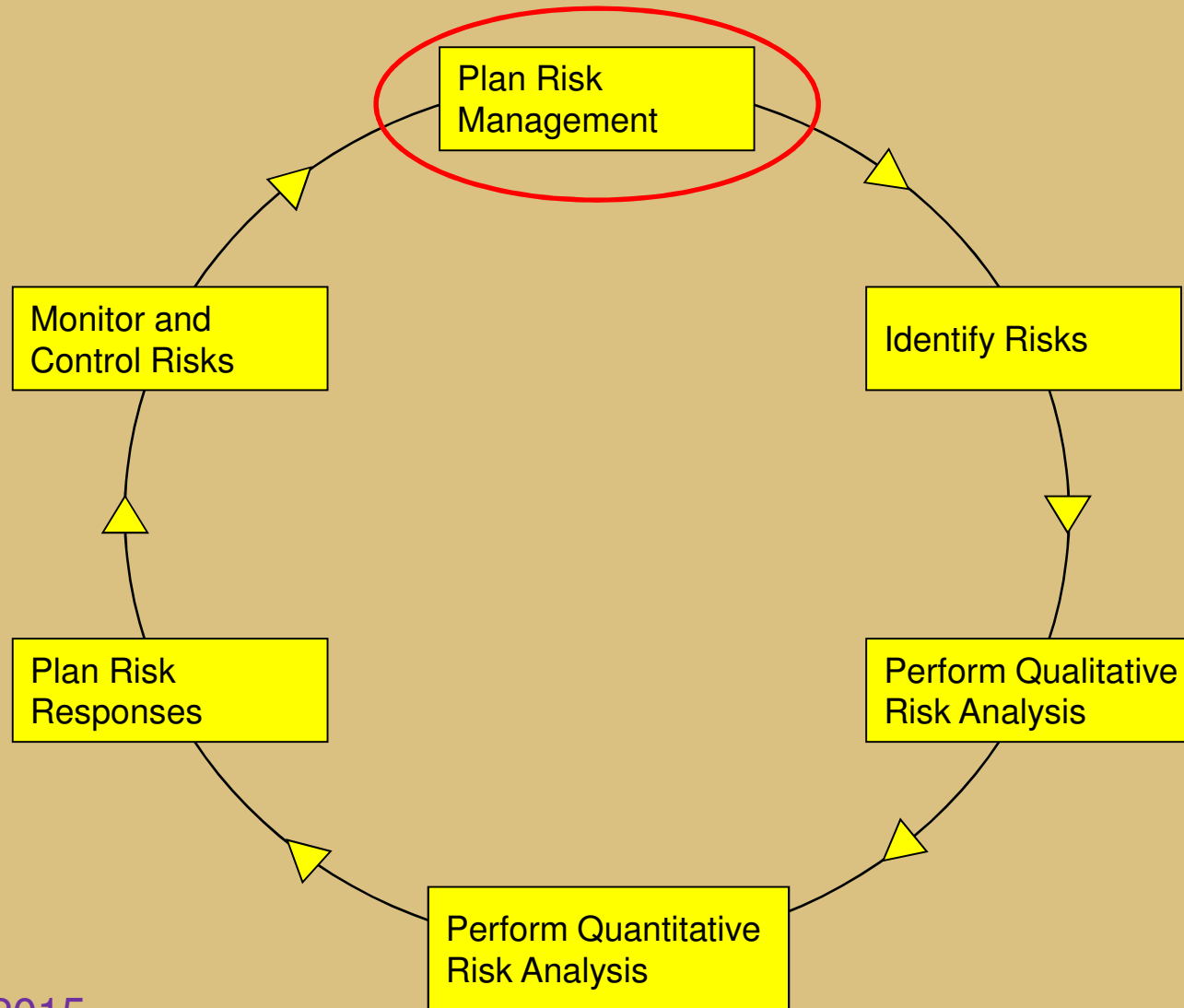
- *Gwilym – Project Manager*
- *Father Drew – Gwilym's Sponsor*
- *Father Crawford – Abbott of Glastonbury*
- *Brid – Gwilym's Foreman*
- *Bleddyn – Gwilym's 14 year-old son*



Project Background

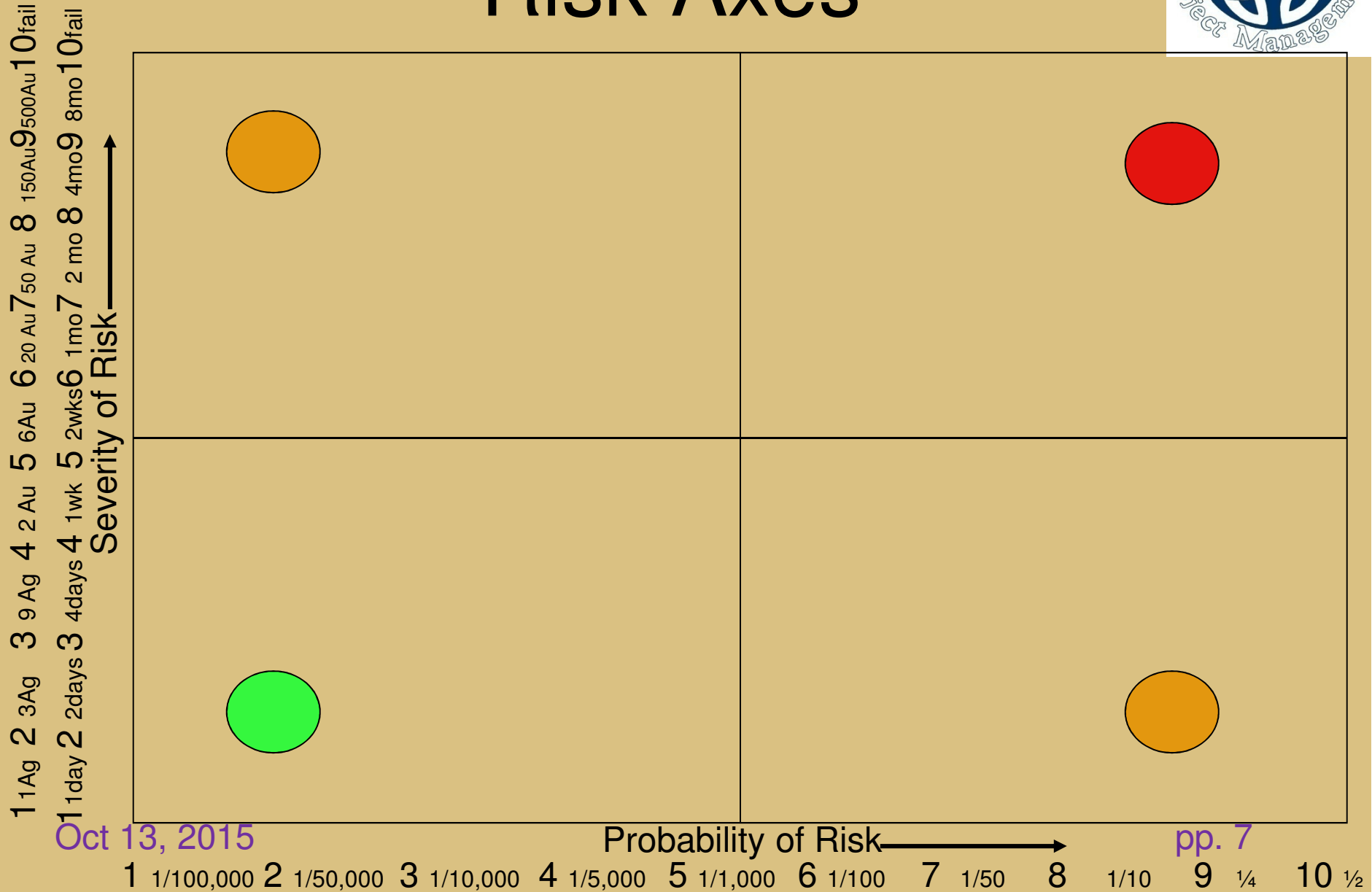
- Dismantle old Abbey Steeple
- Build new steeple across road
- Place seventeen new marble statues
- Ensure new statues don't wear down
- Plan for risks

Risk Management Cycle





Risk Axes



Scales



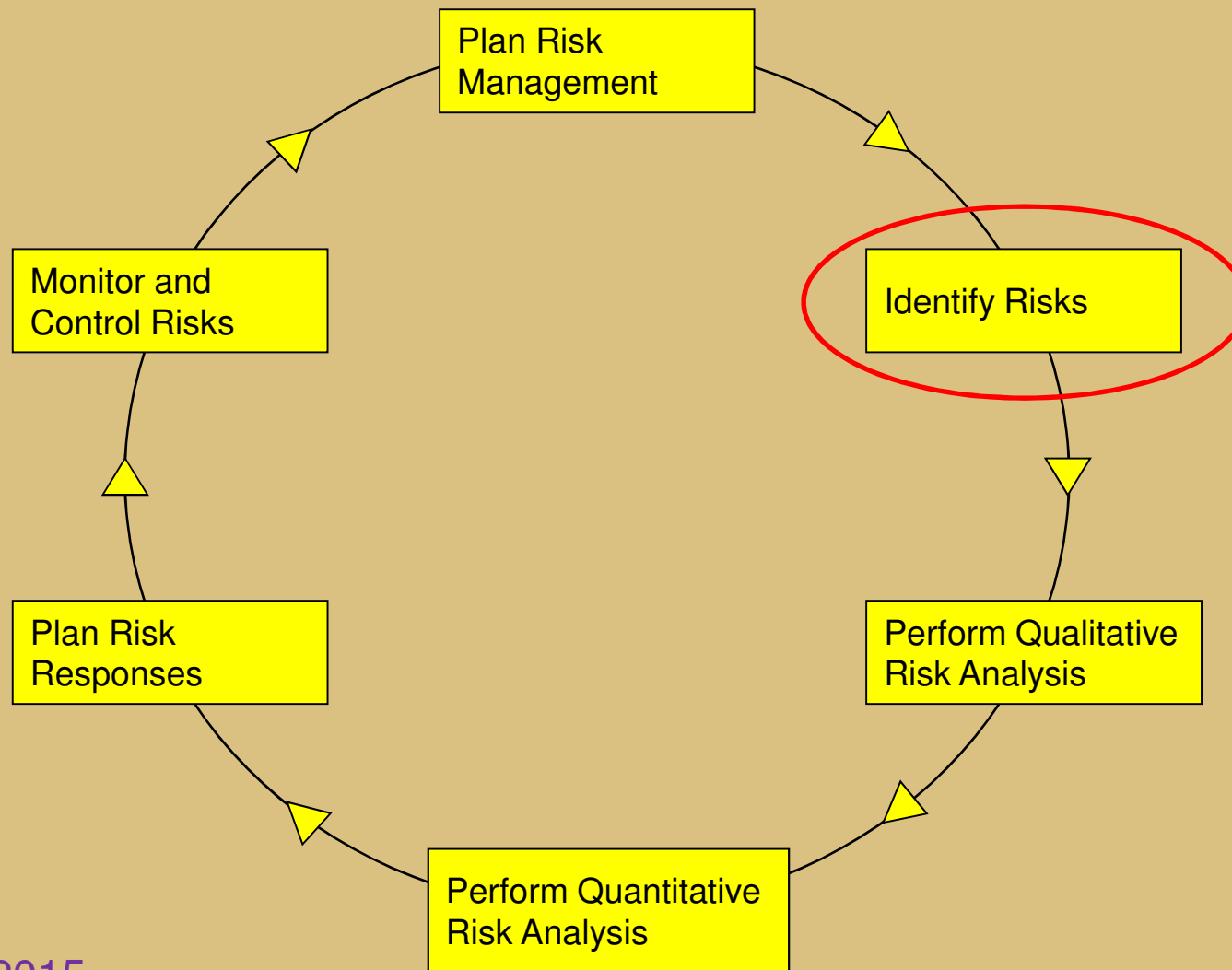
| Risk Number | Probability | Severity (Time) | Severity (Money) |
|-------------|-------------|-----------------|------------------|
| 1 | 1/100,000 | One day | 1 Silver |
| 2 | 1/50,000 | Two days | 3 Silver |
| 3 | 1/10,000 | Four days | 9 Silver |
| 4 | 1/5,000 | One Week | 2 Gold |
| 5 | 1/1,000 | Two Weeks | 6 Gold |
| 6 | 1/100 | One Month | 20 Gold |
| 7 | 1/50 | Two Months | 50 Gold |
| 8 | 1/10 | Four Months | 150 Gold |
| 9 | 1/4 | Eight Months | 500 Gold |
| 10 | 1/2 | Project Fails | Project Fails |

Risk Qualification



| Risk Description | Probability | Severity | Total Risk |
|------------------|-------------|----------|------------|
| 1. | | | |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |
| 7. | | | |
| 8. | | | |
| 9. | | | |
| 10. | | | |

Risk Management Cycle





Risk Identification Workshop

Using the Crawford Slip technique, Identify 10 risks for your current project

- Take slide 10 and a pen
- When Bruce asks you a question, write down the answer in the first column
- Wait for the next question
- Repeat

5 minute exercise



Crawford Slip Technique

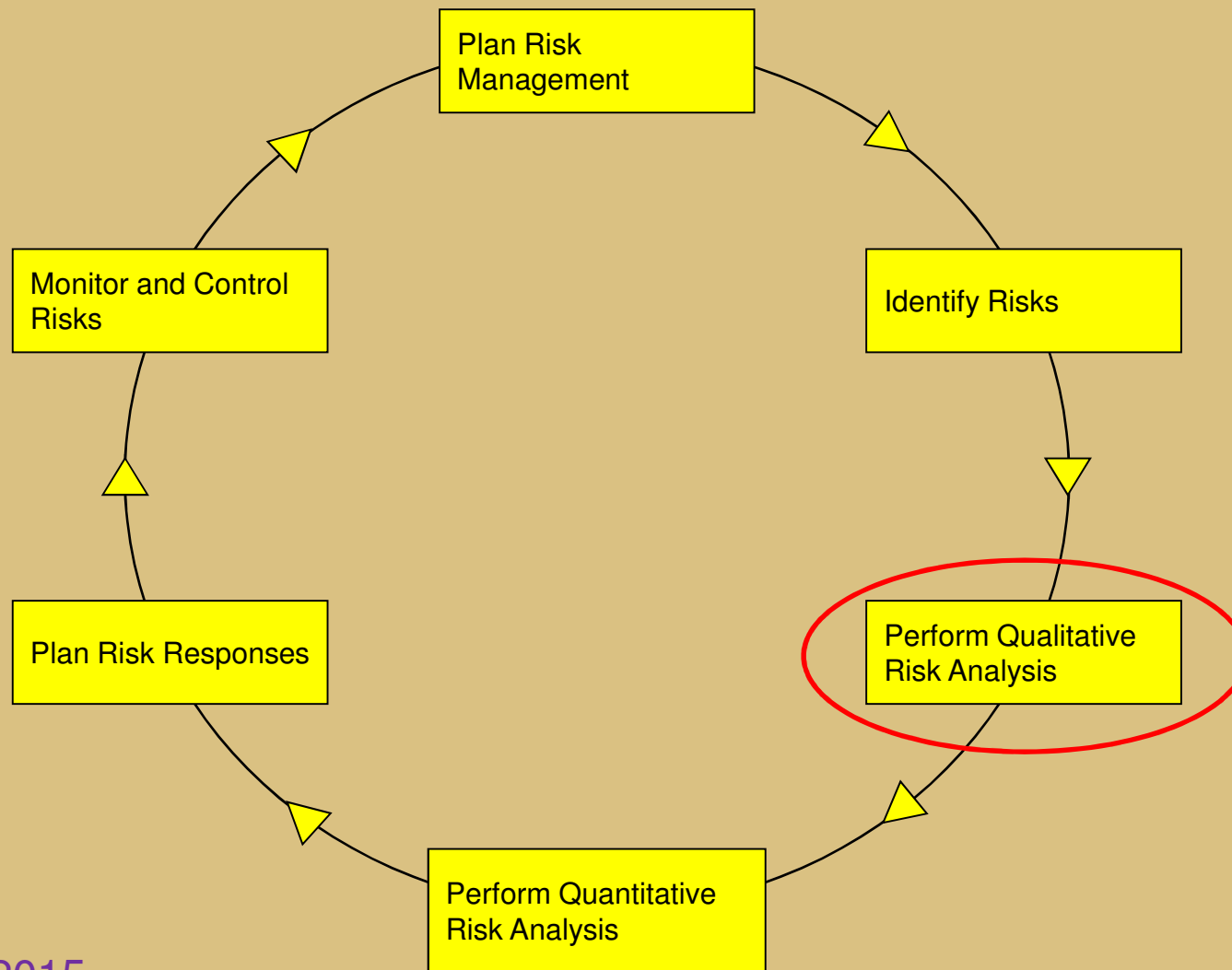
1. Write down one risk associated with your project
2. Write down one risk associated with your project
3. Write down one risk associated with your project
4. Write down one risk associated with your project
5. Write down one risk associated with your project



Crawford Slip Technique

6. Write down one risk associated with your project
7. Write down one risk associated with your project
8. Write down one risk associated with your project
9. Write down one risk associated with your project
10. Write down one risk associated with your project

Risk Management Cycle



Scales



| Risk Number | Probability | Severity (Time) | Severity (Money) |
|-------------|-------------|-----------------|------------------|
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| 10 | 1/2 | Project Fails | Project Fails |



Risk Qualification

| Risk Description | Probability | Impact | Total Risk | Response/Action |
|---|-------------|--------|------------|-----------------|
| 1. If it rains for more than two weeks straight, the project will be delayed day for day for any additional rain. | 10 | 5 | 50 | |
| 2. Any heavy rain that falls during the digging and building of the foundation will delay that task and cause rework of digging done to date. | 8 | 4 | 32 | |
| 3. If the cause of the statue wear is not eliminated, they will wear down again, causing project failure | 10 | 10 | 100 | |



Risk Qualification Workshop

- Partner up with the person next to you
- Qualify 2 – 3 risks for your current project
- Use the table on the next slide
- Identify probability and severity of each risk (1-10 or high, moderate, low)
- Multiply both numbers together for total risk (1-100 or lo-lo, lo-med, med-hi, hi-hi, etc.)
- Don't fill out the last column yet

10 minute exercise



Risk Qualification

| Risk Description | Probability | Severity | Total Risk | Response/Action |
|------------------|-------------|----------|------------|-----------------|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |

Risk Management Cycle





Plan Risk Responses

- Avoidance

 - Eliminate the risk (Reduce scope)

- Mitigation

 - Reduce probability and/or impact of the risk

- Transference

 - Transfer risk to 3rd party

- Acceptance

 - “Should we have a contingency plan?”



Risk Qualification

| Risk Description | Probability | Impact | Total Risk | Response/Action |
|--|-------------|--------|------------|--|
| 1. If the cause of the statue wear is not eliminated, they will wear down again, resulting in project failure | 10 | 10 | 100 | Mitigate. Find root cause and eliminate it. |
| 2. Doorways giving access to the walls from halfway up will weaken structure, causing it to possibly collapse in the future. | 9 | 10 | 90 | Avoid. Don't add these doors. Only allow access from the bottom or top |
| 3. If wood used for the tower supports is green, it will shrink over time and the tower will become unstable. | 9 | 10 | 90 | Transfer. Buy seasoned wood from professionals on the outside. |

Risk Response Workshop



- Partner up again
- Determine Risk Responses for your current project
- Use the table you filled out previously
- Discuss and select the appropriate risk response for each (avoidance, transference, mitigation, acceptance)
- Describe the action that you decide to take

10 minute exercise

Risk Response Planning



| Risk Description | Probability | Severity | Total Risk | Response/Action |
|------------------|-------------|----------|------------|-----------------|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |

Risk Management Cycle

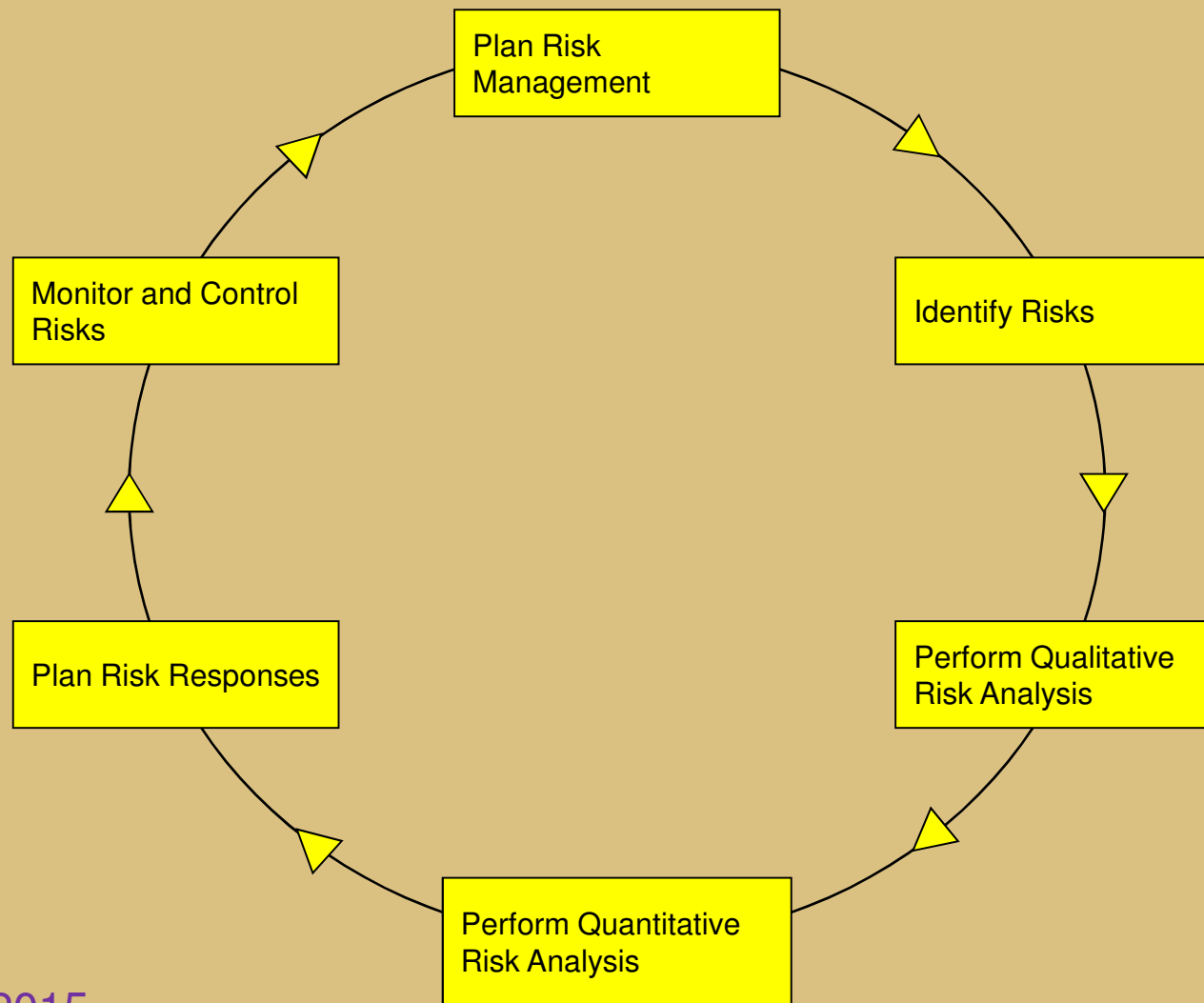




Root Cause Analysis

- Statues are worn down – Why?
- They are being scrubbed weekly – Why?
- They are covered in bird poop – Why?
- Birds come here to eat insects – Why?
- Insects are attracted to dusk light – Why?
- Candles are lit to attract pilgrims – Why?

Risk Management Cycle





Questions?

Link in with Bruce Fieggen

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